

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
 Data File : BM049577.D
 Acq On : 06 Feb 2025 10:59
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 5PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Quant Time: Feb 06 11:55:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 11:55:12 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	182987	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	658394	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	407605	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	778537	20.000	ng	0.00
76) Chrysene-d12	21.445	240	639419	20.000	ng	0.00
86) Perylene-d12	24.474	264	541757	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1606561	141.184	ng	0.00
7) Phenol-d6	6.981	99	2073893	139.112	ng	0.00
23) Nitrobenzene-d5	8.975	82	1393709	108.884	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	707537	146.495	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	3471878	110.343	ng	0.00
79) Terphenyl-d14	19.833	244	5708422	136.327	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	29327	6.130	ng	96
3) Pyridine	3.699	79	67034	5.042	ng	94
6) Aniline	7.146	93	82115	5.812	ng	99
8) 2-Chlorophenol	7.387	128	60304	5.307	ng	94
10) Phenol	7.004	94	80793	5.502	ng	94
11) bis(2-Chloroethyl)ether	7.246	93	67510	5.683	ng	99
12) 1,3-Dichlorobenzene	7.716	146	74483	5.647	ng	99
13) 1,4-Dichlorobenzene	7.863	146	75460	5.657	ng	96
14) 1,2-Dichlorobenzene	8.181	146	72617	5.638	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.351	45	97906	6.122	ng	98
17) 2-Methylphenol	8.257	107	45035	5.016	ng	96
18) Hexachloroethane	8.910	117	26624	5.464	ng	90
19) n-Nitroso-di-n-propyla...	8.628	70	51521	5.277	ng	96
22) Acetophenone	8.640	105	98201	5.538	ng	96
24) Nitrobenzene	9.016	77	76044m	6.115	ng	
25) Isophorone	9.545	82	130365	5.647	ng	99
26) 2-Nitrophenol	9.734	139	12409	5.410	ng	97
27) 2,4-Dimethylphenol	9.792	122	36328m	4.977	ng	
28) bis(2-Chloroethoxy)met...	10.034	93	80782	5.433	ng	99
29) 2,4-Dichlorophenol	10.263	162	43163	4.294	ng	96
30) 1,2,4-Trichlorobenzene	10.486	180	69021	5.605	ng	99
31) Naphthalene	10.669	128	185485	5.342	ng	99
33) 4-Chloroaniline	10.769	127	70158	5.398	ng	97
34) Hexachlorobutadiene	10.969	225	40941	5.551	ng	98
36) 4-Chloro-3-methylphenol	11.892	107	40001	3.990	ng	97
37) 2-Methylnaphthalene	12.286	142	124058	5.074	ng	95
38) 1-Methylnaphthalene	12.504	142	116059m	4.879	ng	
40) 1,2,4,5-Tetrachloroben...	12.651	216	71672	5.348	ng	98
43) 2,4,6-Trichlorophenol	12.892	196	27500	3.760	ng	98
44) 2,4,5-Trichlorophenol	12.957	196	32401m	4.032	ng	
46) 1,1'-Biphenyl	13.298	154	176301	5.670	ng	99
47) 2-Chloronaphthalene	13.333	162	131343	5.459	ng	99
48) 2-Nitroaniline	13.527	65	22774	4.126	ng	88
49) Acenaphthylene	14.180	152	203206	5.728	ng	98
50) Dimethylphthalate	13.922	163	146685	5.011	ng	100
51) 2,6-Dinitrotoluene	14.027	165	21950	4.334	ng	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	14.527	154	114251	4.852	ng	94
53) 3-Nitroaniline	14.351	138	21861	4.239	ng #	95
55) Dibenzofuran	14.863	168	193567	5.163	ng	98
57) 2,4-Dinitrotoluene	14.810	165	21470	6.034	ng #	80
58) Fluorene	15.510	166	152350	4.750	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.086	232	26131m	3.849	ng	
60) Diethylphthalate	15.292	149	140842	4.788	ng	98
61) 4-Chlorophenyl-phenyle...	15.510	204	80780	4.732	ng	93
62) 4-Nitroaniline	15.504	138	21591	3.738	ng #	78
63) Azobenzene	15.804	77	167359	5.450	ng	98
66) n-Nitrosodiphenylamine	15.716	169	122779	5.001	ng	98
67) 4-Bromophenyl-phenylether	16.404	248	45060	4.982	ng	99
68) Hexachlorobenzene	16.510	284	54048	5.206	ng	94
69) Atrazine	16.668	200	34310	4.701	ng	96
71) Phenanthrene	17.245	178	231092	5.210	ng	100
72) Anthracene	17.333	178	222217	5.060	ng	100
73) Carbazole	17.598	167	197274	5.118	ng	99
74) Di-n-butylphthalate	18.186	149	191281	3.911	ng	99
75) Fluoranthene	19.257	202	232752	4.482	ng	99
78) Pyrene	19.621	202	243341	5.083	ng	100
80) Butylbenzylphthalate	20.533	149	35843	2.406	ng	95
81) Benzo(a)anthracene	21.427	228	221616	5.114	ng	99
82) 3,3'-Dichlorobenzidine	21.345	252	43931	3.767	ng	99
83) Chrysene	21.486	228	209491	5.160	ng	99
84) Bis(2-ethylhexyl)phtha...	21.380	149	71991	2.819	ng	94
87) Indeno(1,2,3-cd)pyrene	27.897	276	139815	4.726	ng #	87
88) Benzo(b)fluoranthene	23.515	252	173429	4.653	ng #	98
89) Benzo(k)fluoranthene	23.580	252	169471	4.682	ng	99
90) Benzo(a)pyrene	24.333	252	138089	4.675	ng	99
91) Dibenzo(a,h)anthracene	27.968	278	106665	4.562	ng	96
92) Benzo(g,h,i)perylene	28.944	276	117171	4.486	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

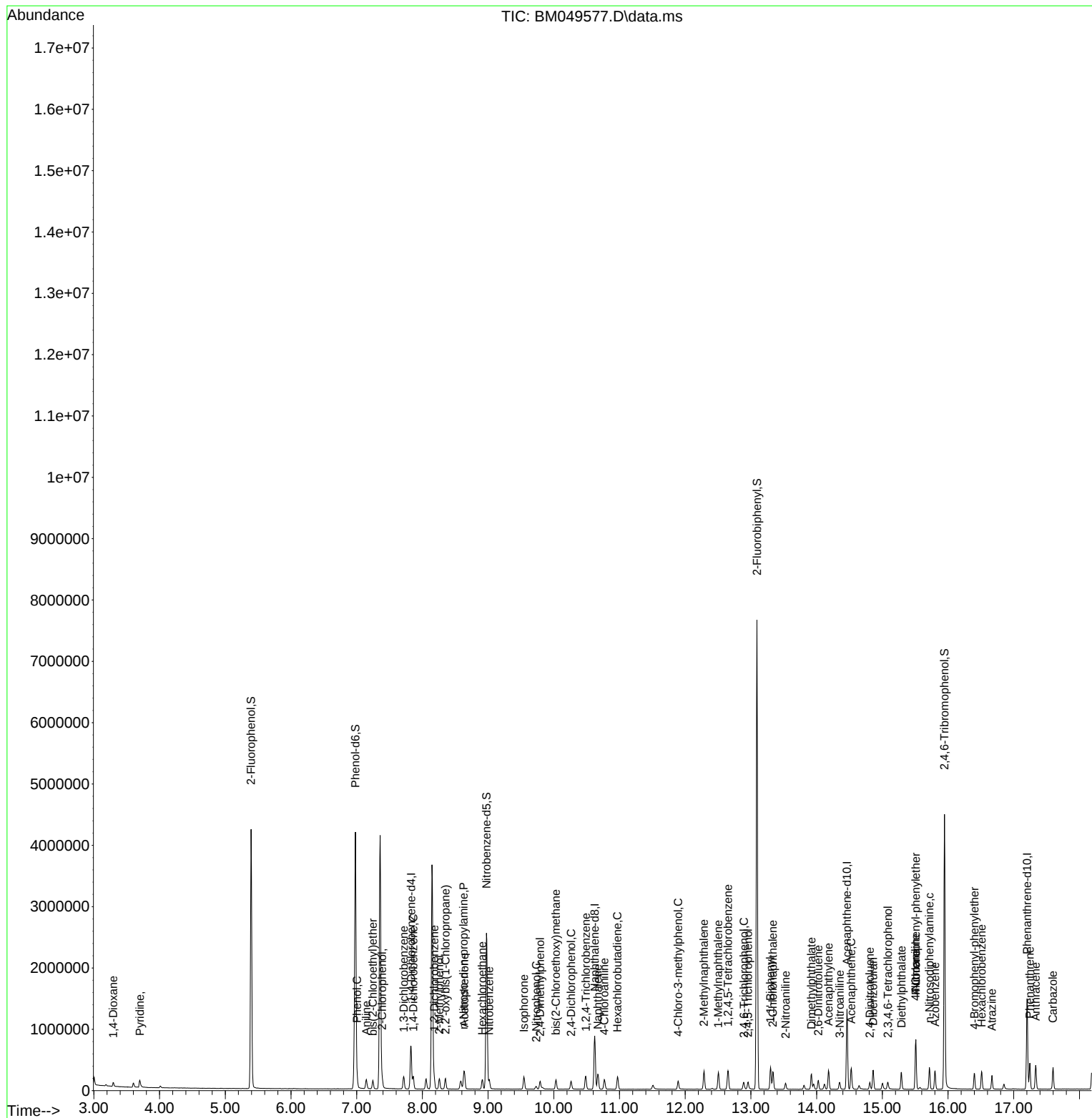
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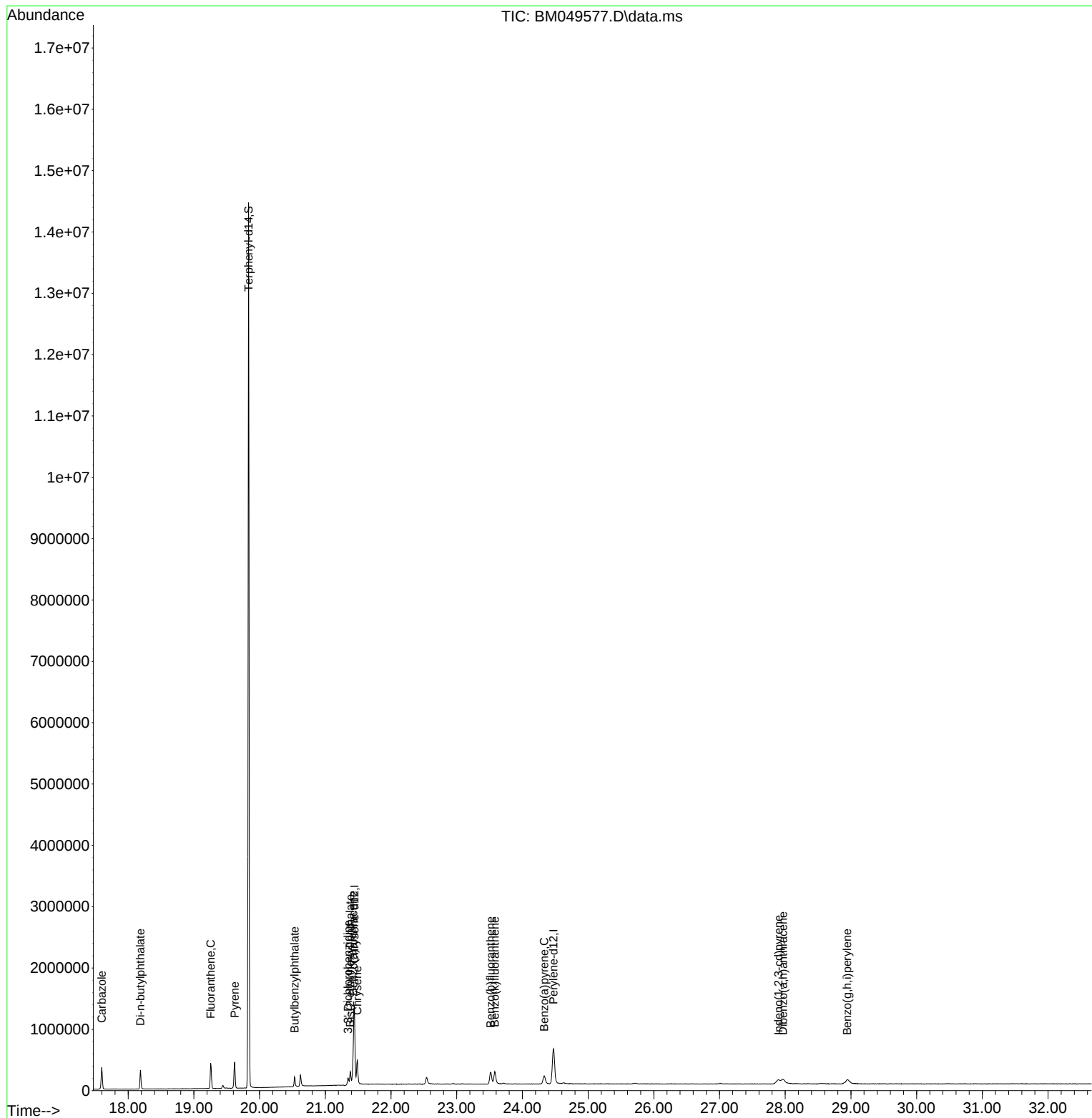
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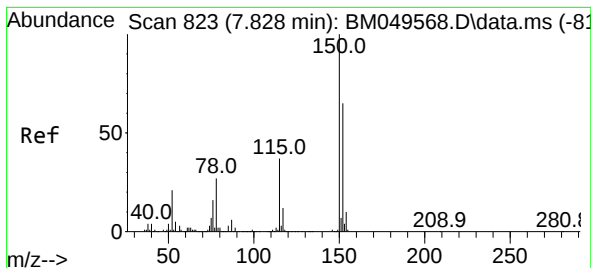
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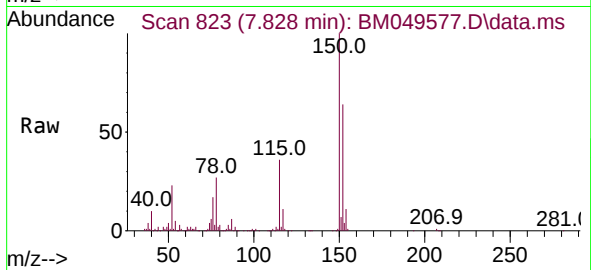
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.828 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BM049577.D
 Acq: 06 Feb 2025 10:59

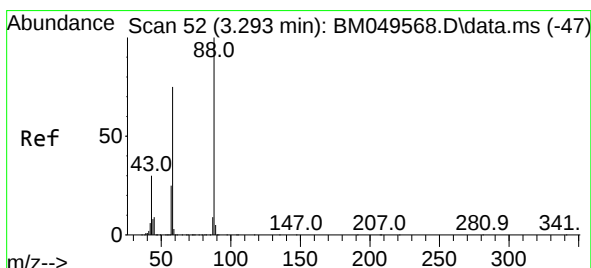
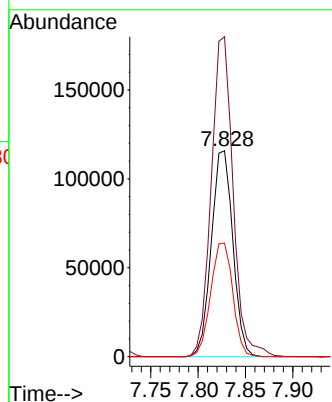
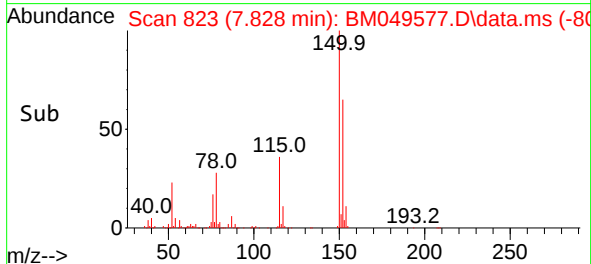
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



Tgt Ion:152 Resp: 18298
 Ion Ratio Lower Upper
 152 100
 150 155.4 122.6 184.0
 115 55.2 45.4 68.0

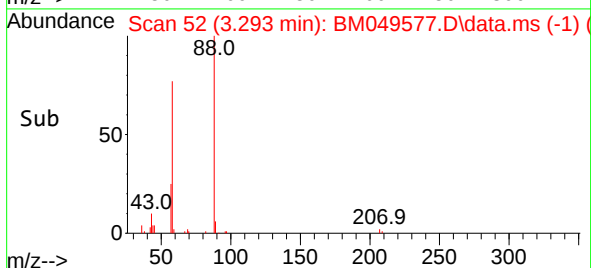
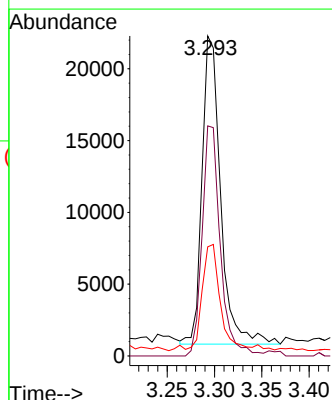
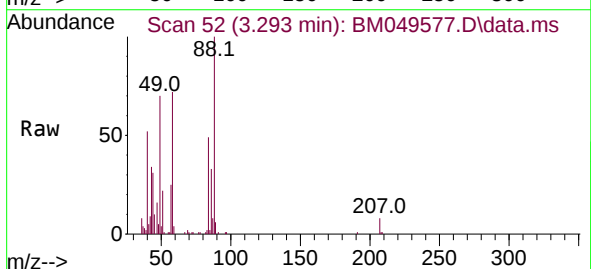
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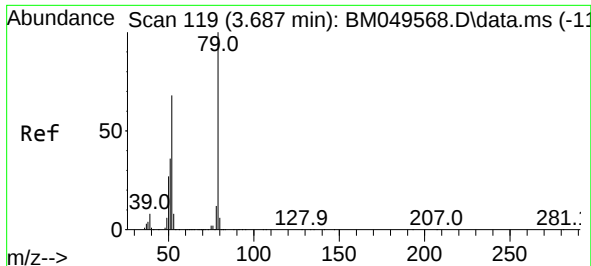
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 Supervised By :mohammad ahmed 02/07/2025



#2
 1,4-Dioxane
 Concen: 6.130 ng
 RT: 3.293 min Scan# 52
 Delta R.T. 0.000 min
 Lab File: BM049577.D
 Acq: 06 Feb 2025 10:59

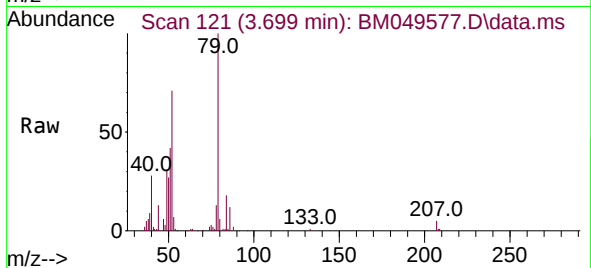
Tgt Ion: 88 Resp: 29327
 Ion Ratio Lower Upper
 88 100
 58 73.0 60.0 90.0
 43 34.0 24.4 36.6





#3
Pyridine
Concen: 5.042 ng
RT: 3.699 min Scan# 119
Delta R.T. 0.012 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

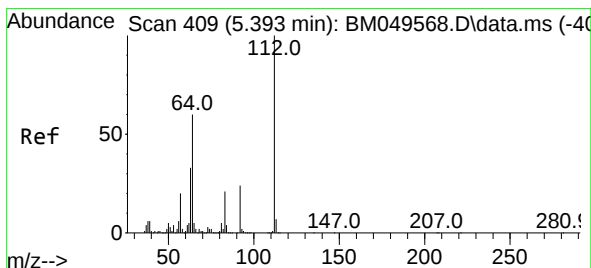
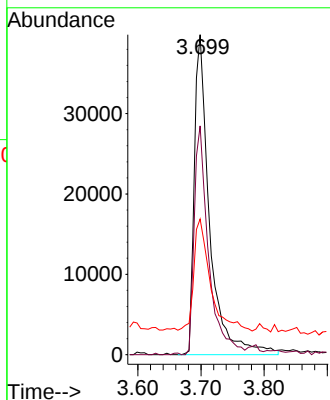
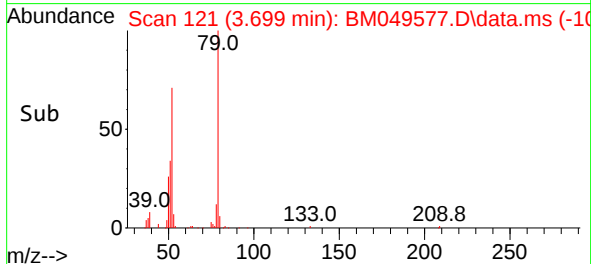
Instrument :
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ClientSampleId :
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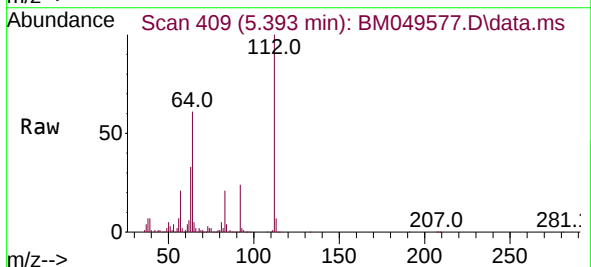
Tgt Ion: 79 Resp: 67034
Ion Ratio Lower Upper
79 100
52 71.5 54.5 81.7
51 42.4 29.0 43.6

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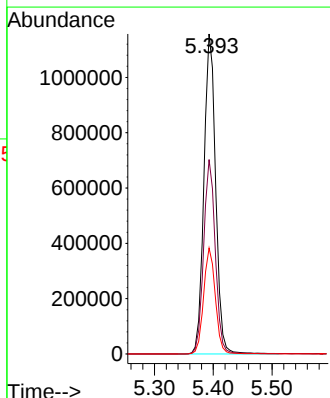
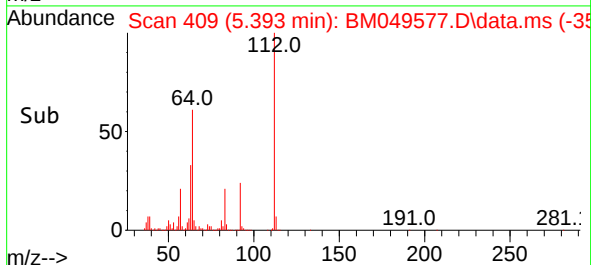
Reviewed By :Jagrut Upadhyay 02/07/2025
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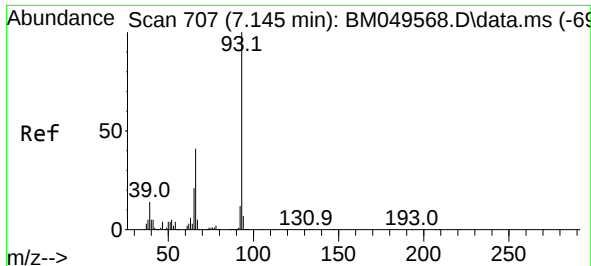


#5
2-Fluorophenol
Concen: 141.184 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59



Tgt Ion:112 Resp: 1606561
Ion Ratio Lower Upper
112 100
64 60.8 47.8 71.8
63 33.1 26.2 39.4





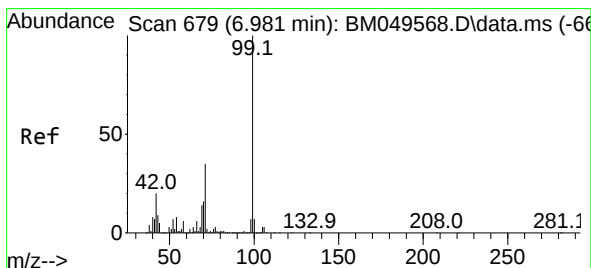
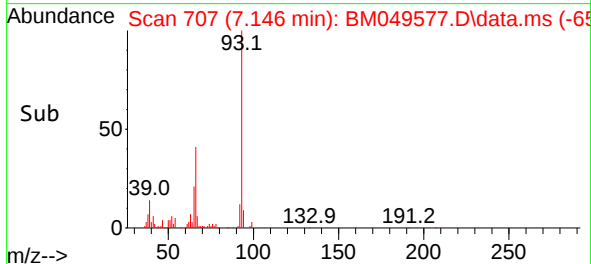
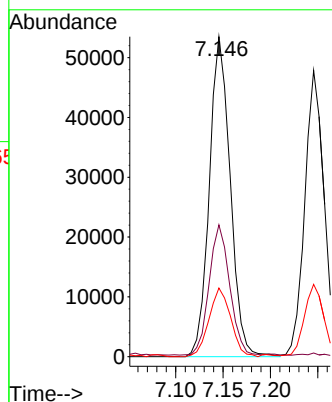
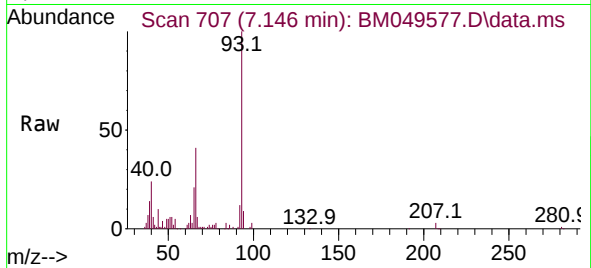
#6
Aniline
Concen: 5.812 ng
RT: 7.146 min Scan# 707
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion: 93 Resp: 82115
Ion Ratio Lower Upper
93 100
66 41.2 33.3 49.9
65 21.5 16.8 25.2

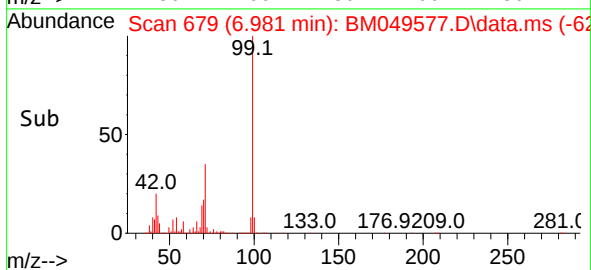
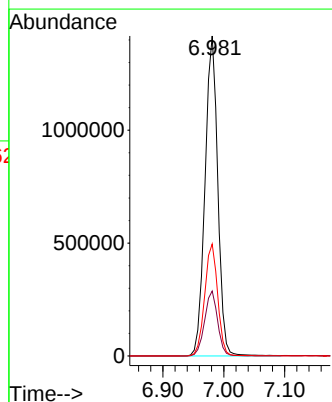
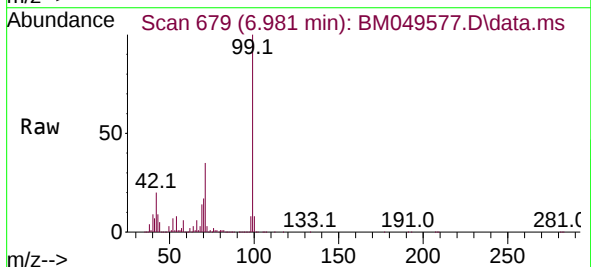
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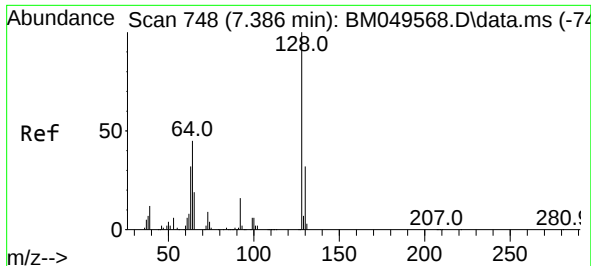
Reviewed By :Jagrut Upadhyay 02/07/2025
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#7
Phenol-d6
Concen: 139.112 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion: 99 Resp: 2073893
Ion Ratio Lower Upper
99 100
42 20.3 16.0 24.0
71 35.0 27.8 41.6





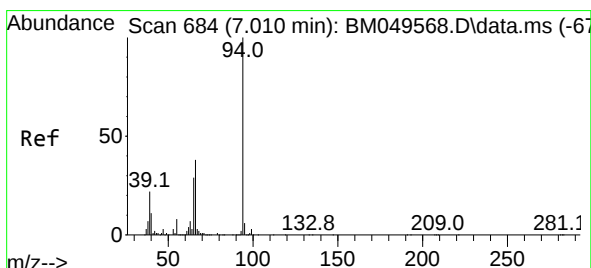
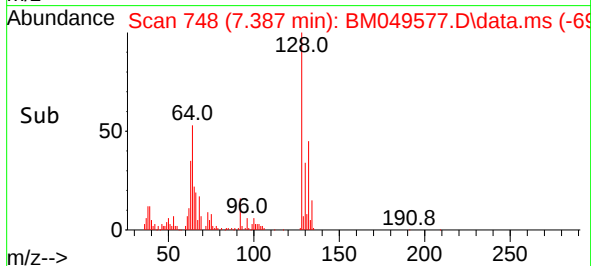
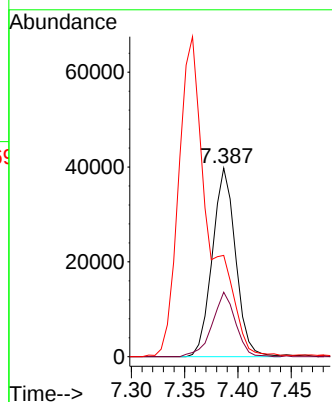
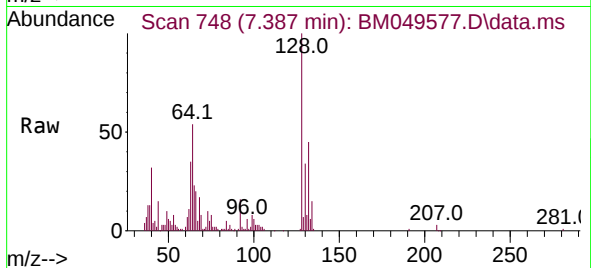
#8
2-Chlorophenol
Concen: 5.307 ng
RT: 7.387 min Scan# 74
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion:128 Resp: 60304
Ion Ratio Lower Upper
128 100
130 34.2 12.4 52.4
64 53.7 28.7 68.7

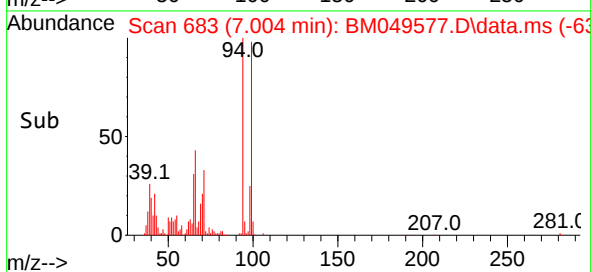
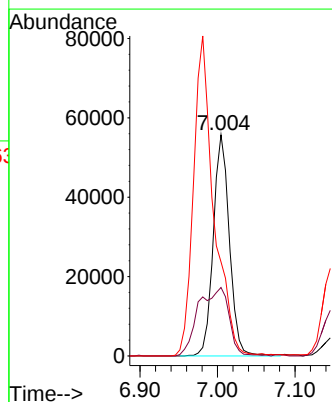
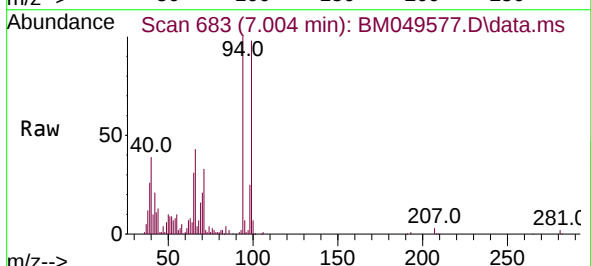
Manual Integrations
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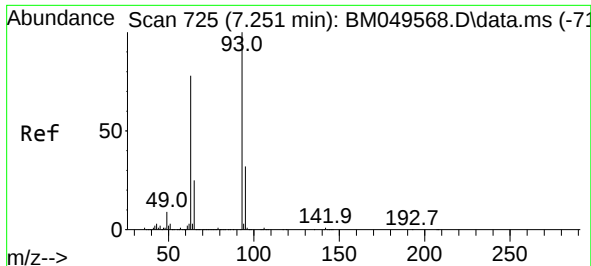
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#10
Phenol
Concen: 5.502 ng
RT: 7.004 min Scan# 683
Delta R.T. -0.006 min
Lab File: BM049577.D
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Tgt Ion: 94 Resp: 80793
Ion Ratio Lower Upper
94 100
65 31.0 9.3 49.3
66 42.6 17.7 57.7





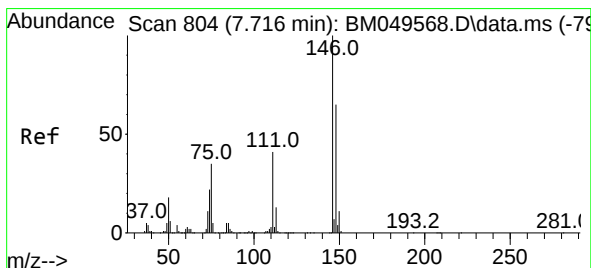
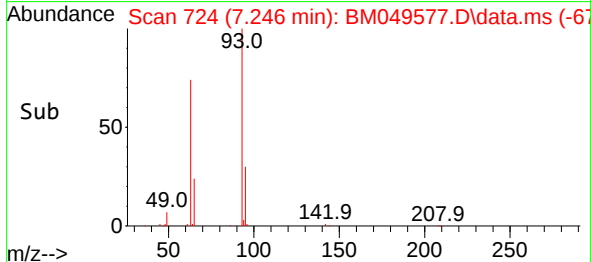
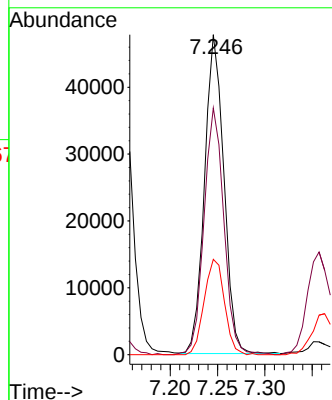
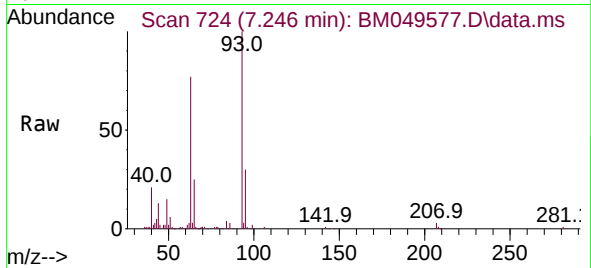
#11
bis(2-Chloroethyl)ether
Concen: 5.683 ng
RT: 7.246 min Scan# 725
Delta R.T. -0.006 min
Lab File: BM049577.D
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Tgt Ion: 93 Resp: 67510
Ion Ratio Lower Upper
93 100
63 77.1 57.3 97.3
95 29.8 12.1 52.1

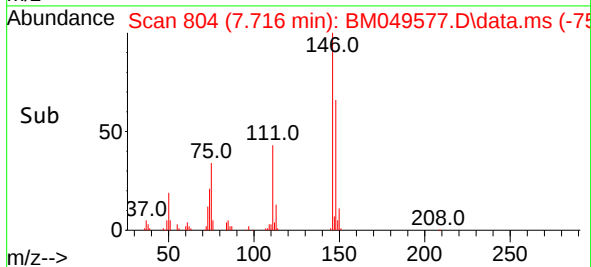
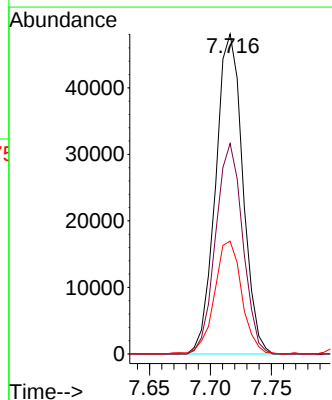
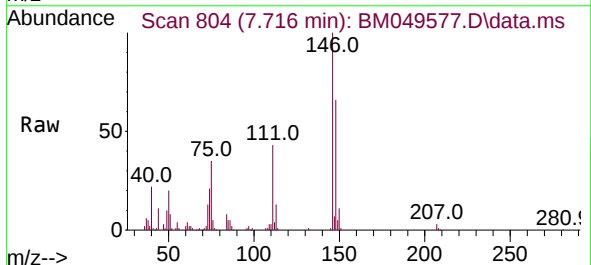
Manual Integrations
APPROVED

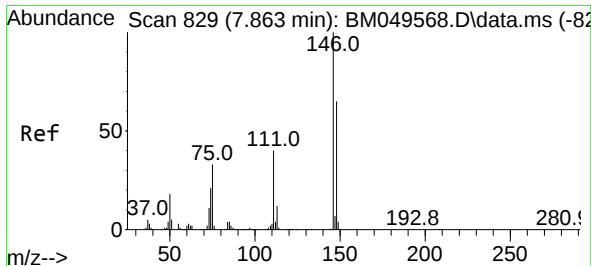
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#12
1,3-Dichlorobenzene
Concen: 5.647 ng
RT: 7.716 min Scan# 804
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:146 Resp: 74483
Ion Ratio Lower Upper
146 100
148 65.8 52.2 78.2
75 35.2 28.3 42.5





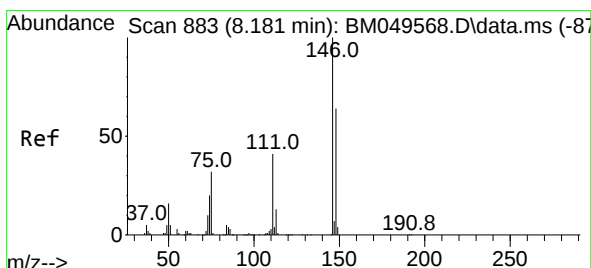
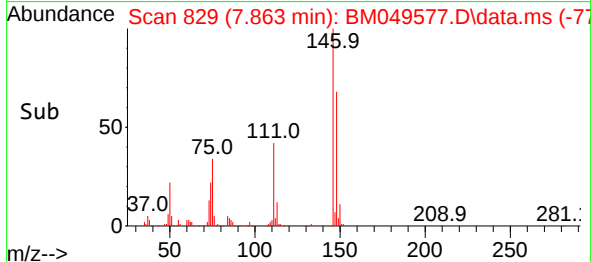
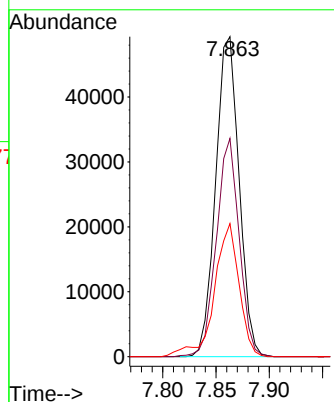
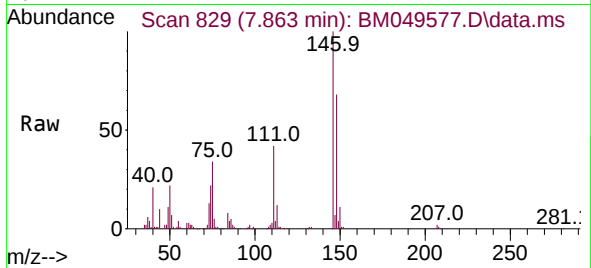
#13
1,4-Dichlorobenzene
Concen: 5.657 ng
RT: 7.863 min Scan# 829
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion:146 Resp: 75460
Ion Ratio Lower Upper
146 100
148 68.2 52.1 78.1
111 41.6 31.7 47.5

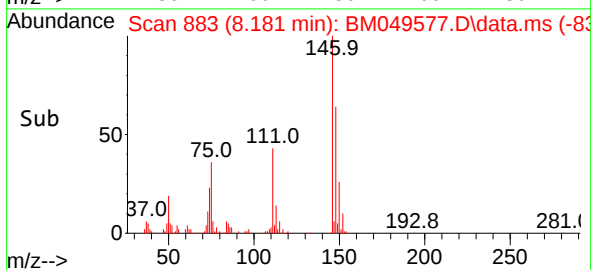
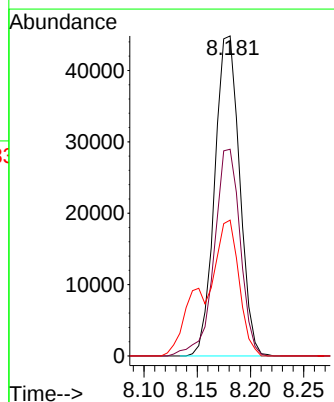
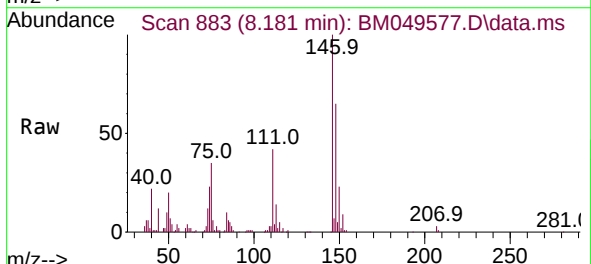
Manual Integrations
APPROVED

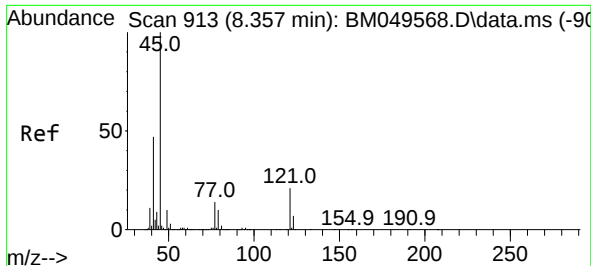
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#14
1,2-Dichlorobenzene
Concen: 5.638 ng
RT: 8.181 min Scan# 883
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:146 Resp: 72617
Ion Ratio Lower Upper
146 100
148 64.6 51.5 77.3
111 42.5 33.4 50.0





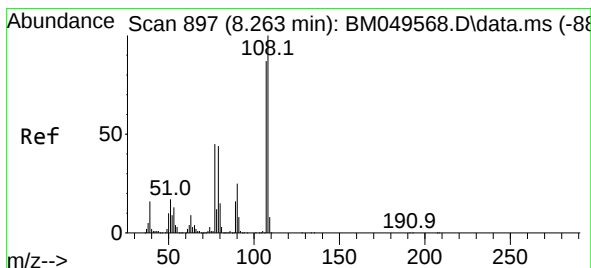
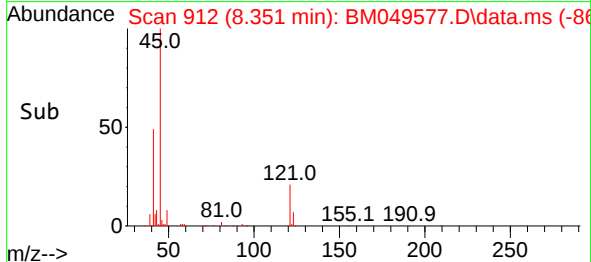
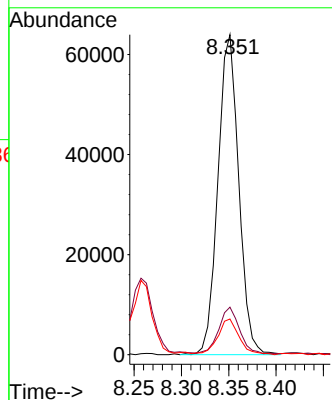
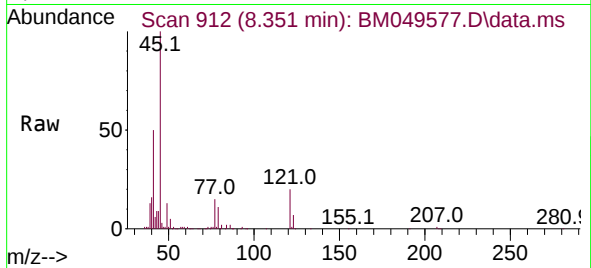
#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.122 ng
RT: 8.351 min Scan# 913
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion: 45 Resp: 97900
Ion Ratio Lower Upper
45 100
77 14.8 0.0 34.0
79 11.2 0.0 30.8

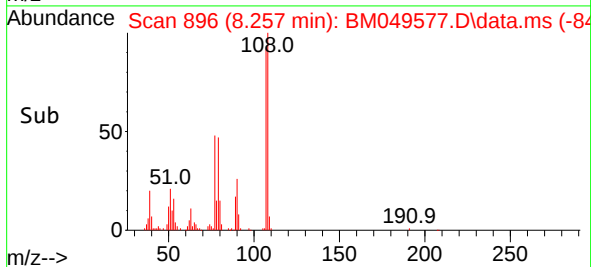
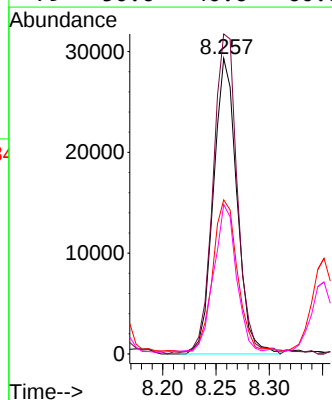
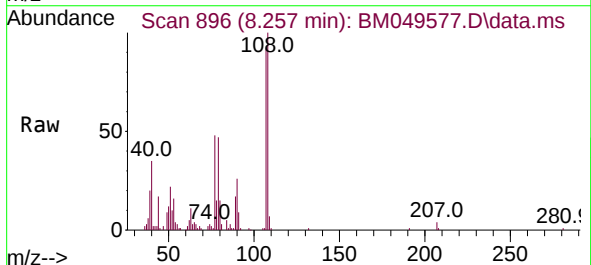
Manual Integrations
APPROVED

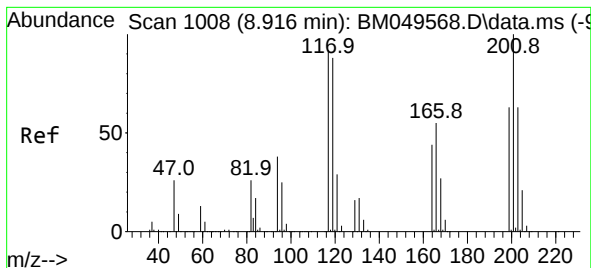
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#17
2-Methylphenol
Concen: 5.016 ng
RT: 8.257 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:107 Resp: 45035
Ion Ratio Lower Upper
107 100
108 108.3 92.2 138.4
77 52.1 41.3 61.9
79 50.6 40.6 60.8





#18

Hexachloroethane

Concen: 5.464 ng

RT: 8.910 min Scan# 117

Delta R.T. -0.006 min

Lab File: BM049577.D

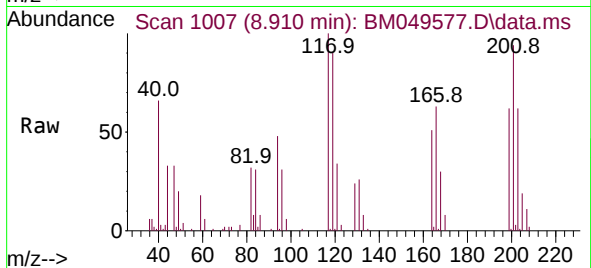
Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025



Tgt Ion:117 Resp: 26624

Ion Ratio Lower Upper

117 100

119 90.5 76.8 115.2

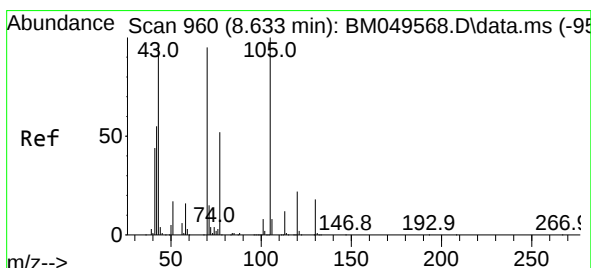
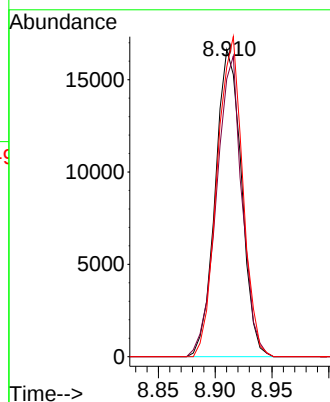
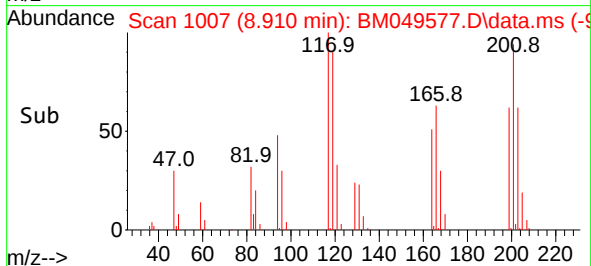
201 94.4 87.0 130.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025

Supervised By :mohammad ahmed 02/07/2025



#19

n-Nitroso-di-n-propylamine

Concen: 5.277 ng

RT: 8.628 min Scan# 959

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Tgt Ion: 70 Resp: 51521

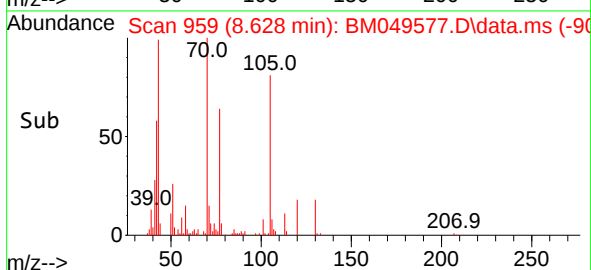
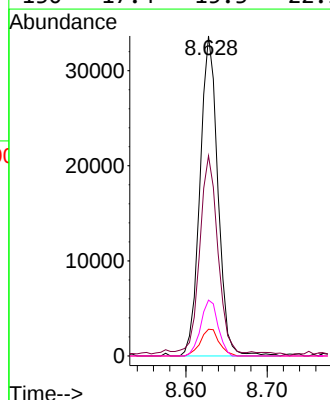
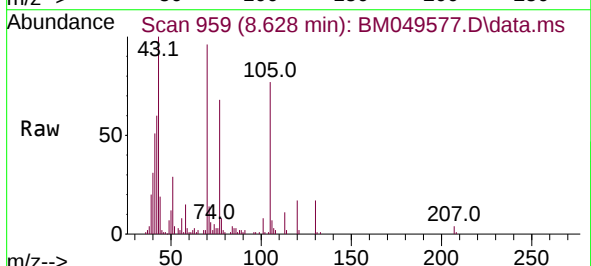
Ion Ratio Lower Upper

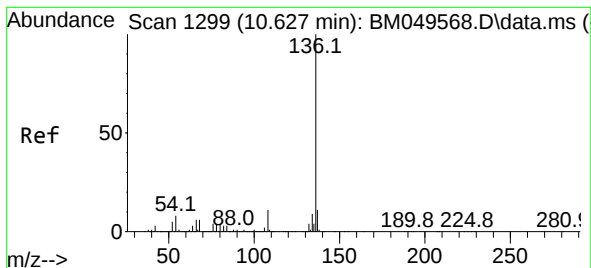
70 100

42 62.5 47.4 71.2

101 8.4 7.1 10.7

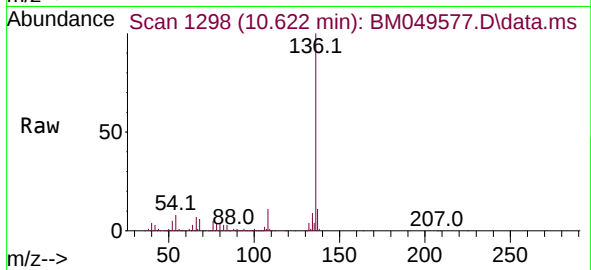
130 17.4 15.3 22.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

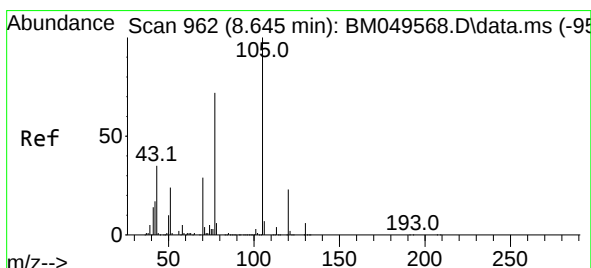
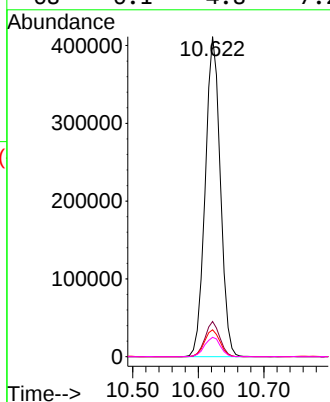
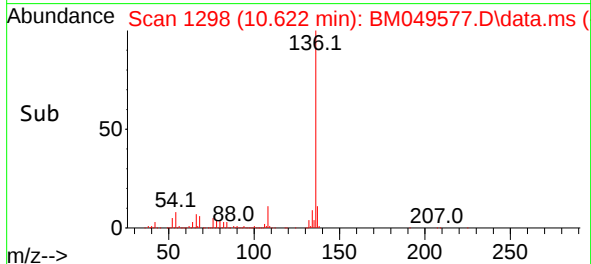
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:136 Resp: 658394
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.4 6.6 10.0
68 6.1 4.8 7.2

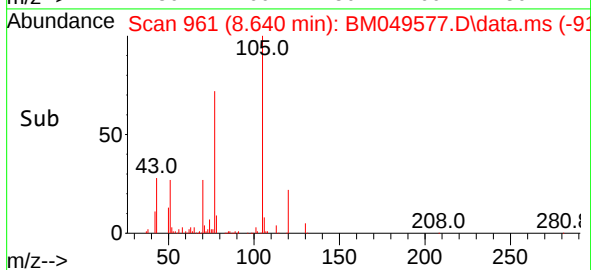
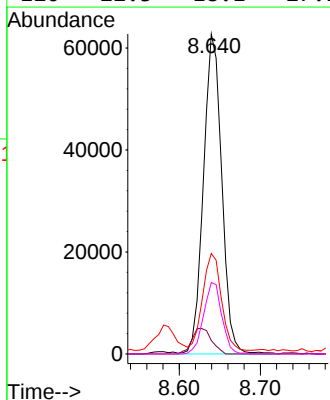
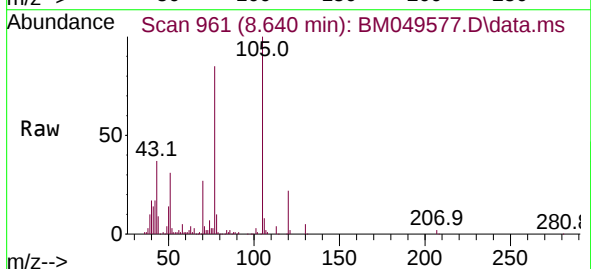
Manual Integrations
APPROVED

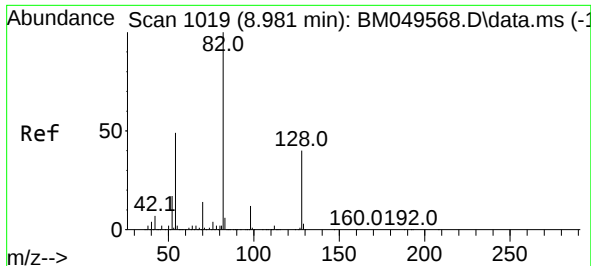
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#22
Acetophenone
Concen: 5.538 ng
RT: 8.640 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

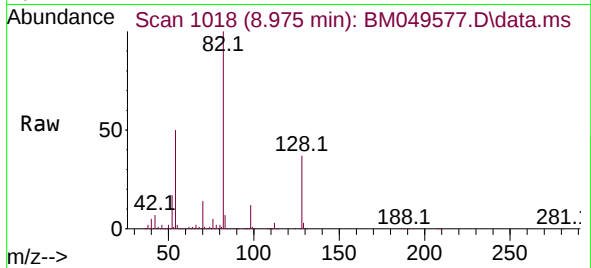
Tgt Ion:105 Resp: 98201
Ion Ratio Lower Upper
105 100
71 4.2 3.5 5.3
51 31.4 21.7 32.5
120 22.3 18.1 27.1





#23
Nitrobenzene-d5
Concen: 108.884 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

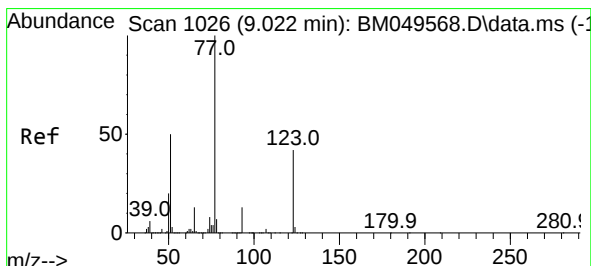
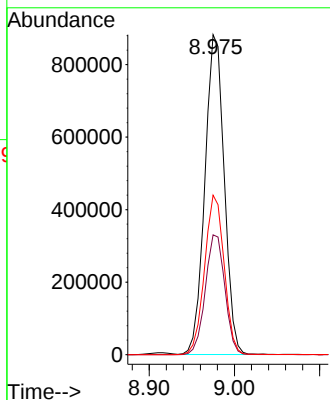
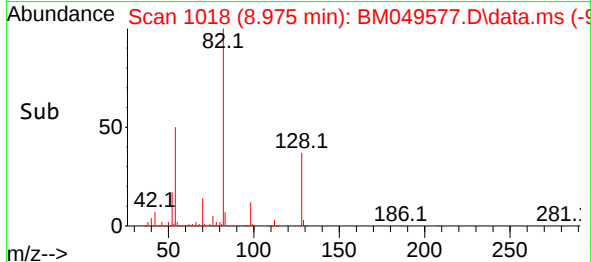
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



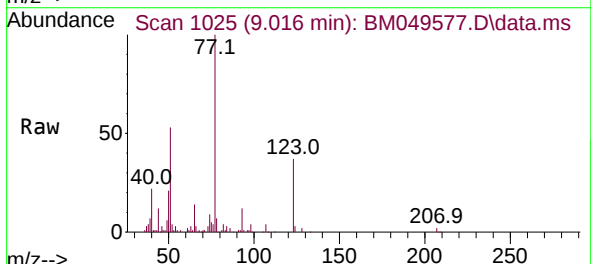
Tgt Ion: 82 Resp: 1393709
Ion Ratio Lower Upper
82 100
128 37.4 31.6 47.4
54 49.8 39.4 59.0

Manual Integrations
APPROVED

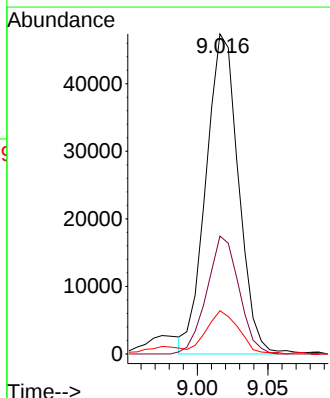
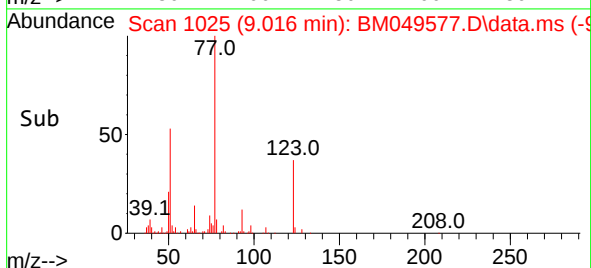
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

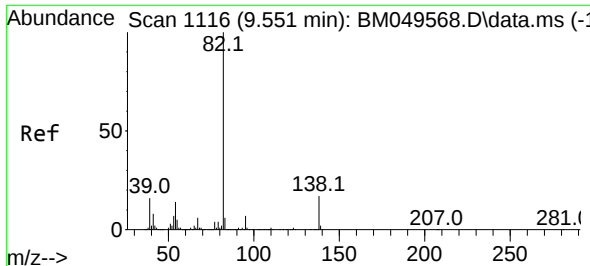


#24
Nitrobenzene
Concen: 6.115 ng m
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59



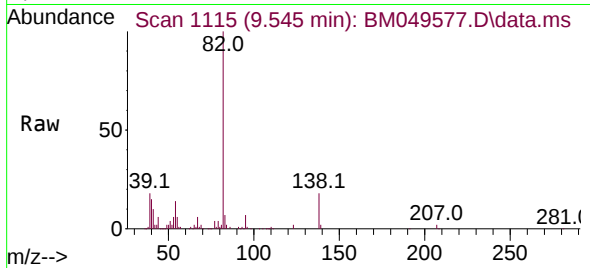
Tgt Ion: 77 Resp: 76044
Ion Ratio Lower Upper
77 100
123 36.9 33.4 50.2
65 13.5 10.5 15.7





#25
Isophorone
Concen: 5.647 ng
RT: 9.545 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

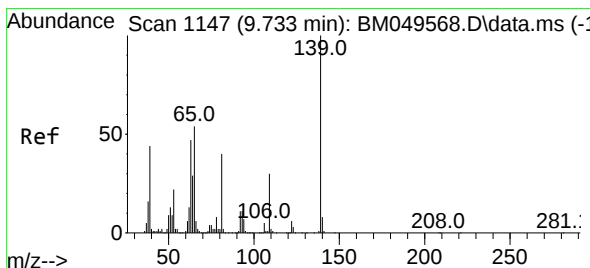
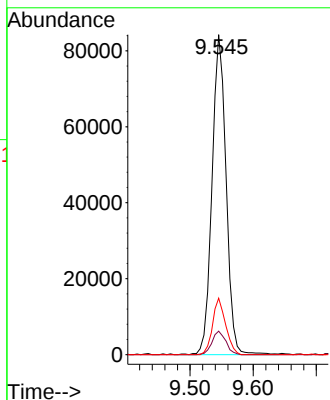
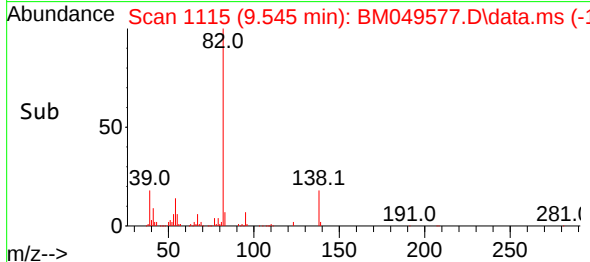
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



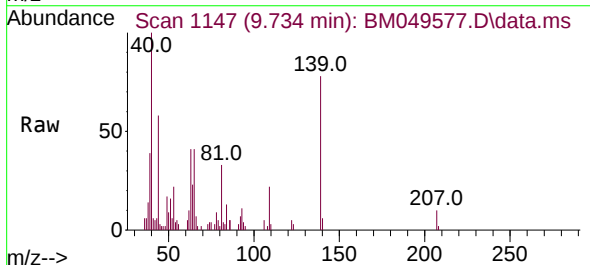
Tgt Ion: 82 Resp: 13036
Ion Ratio Lower Upper
82 100
95 7.4 5.5 8.3
138 17.6 13.6 20.4

Manual Integrations
APPROVED

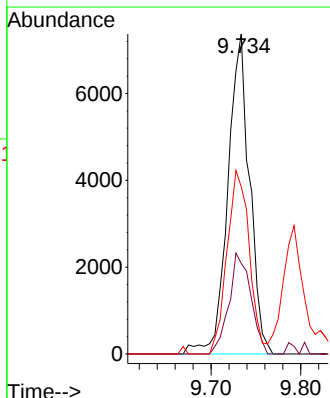
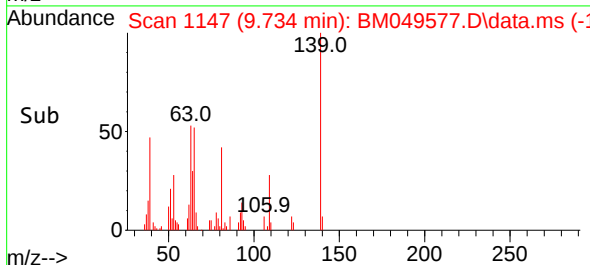
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

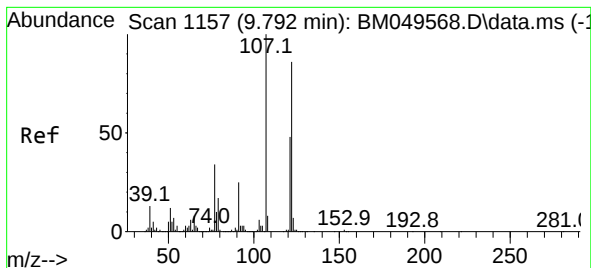


#26
2-Nitrophenol
Concen: 5.410 ng
RT: 9.734 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59



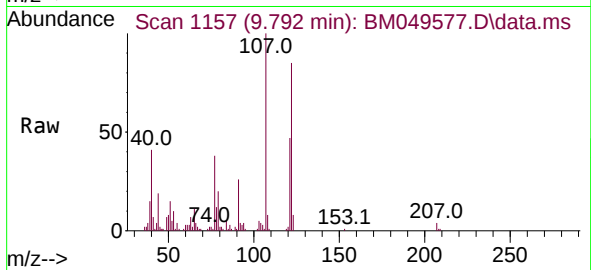
Tgt Ion:139 Resp: 12409
Ion Ratio Lower Upper
139 100
109 28.3 24.2 36.2
65 52.3 43.4 65.2





#27
2,4-Dimethylphenol
Concen: 4.977 ng m
RT: 9.792 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

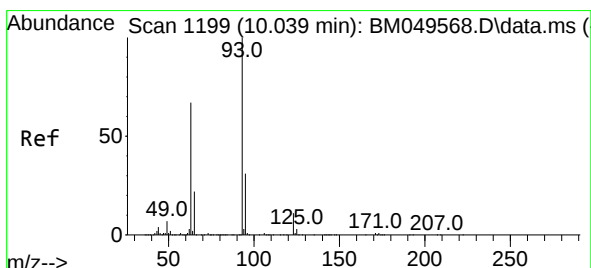
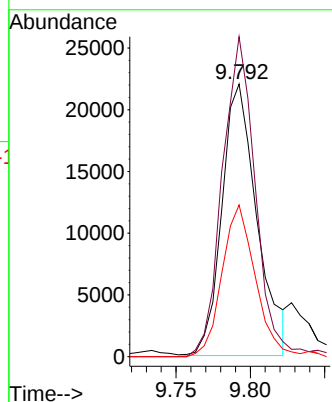
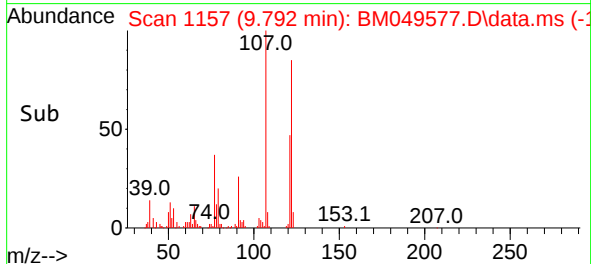
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:122 Resp: 36328
Ion Ratio Lower Upper
122 100
107 117.4 93.2 139.8
121 55.7 44.4 66.6

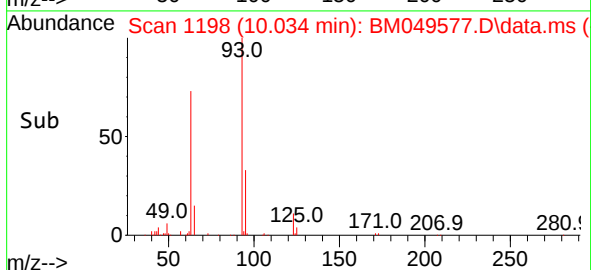
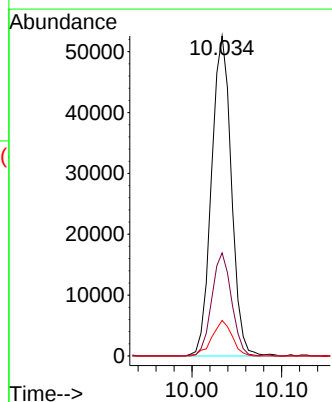
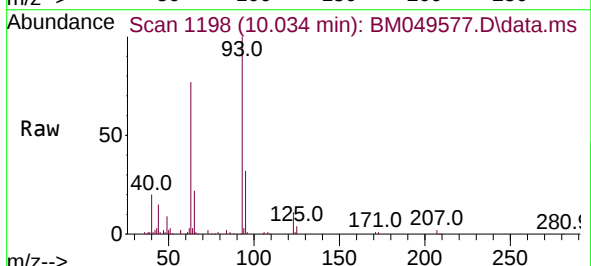
Manual Integrations
APPROVED

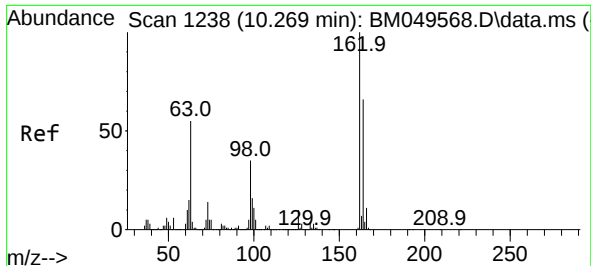
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#28
bis(2-Chloroethoxy)methane
Concen: 5.433 ng
RT: 10.034 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion: 93 Resp: 80782
Ion Ratio Lower Upper
93 100
95 32.2 25.2 37.8
123 11.1 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 4.294 ng

RT: 10.263 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BM049577.D

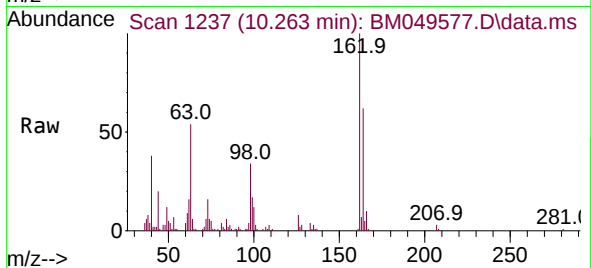
Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025



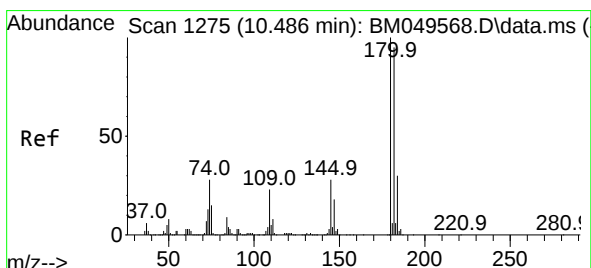
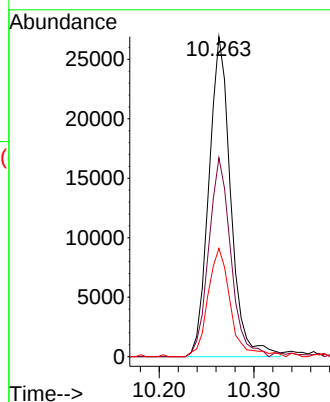
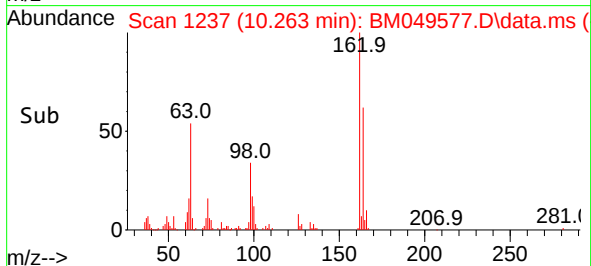
Tgt Ion:162 Resp: 4316

Ion	Ratio	Lower	Upper
162	100		
164	62.1	46.0	86.0
98	33.8	14.7	54.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#30

1,2,4-Trichlorobenzene

Concen: 5.605 ng

RT: 10.486 min Scan# 1275

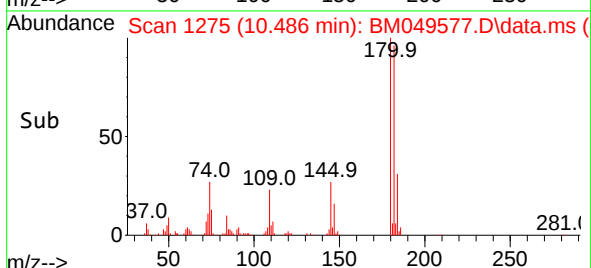
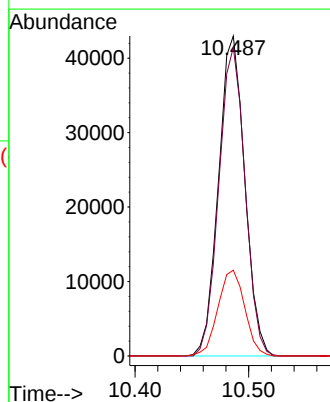
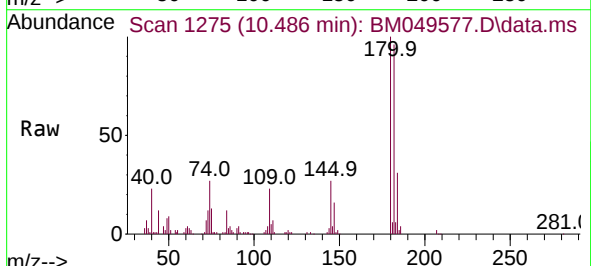
Delta R.T. 0.000 min

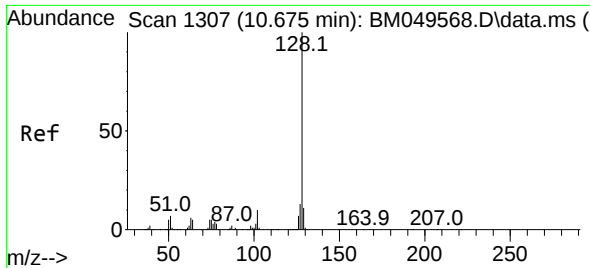
Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Tgt Ion:180 Resp: 69021

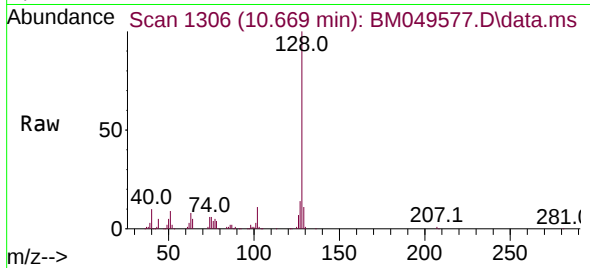
Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.4	114.6
145	26.8	22.5	33.7





#31
Naphthalene
Concen: 5.342 ng
RT: 10.669 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

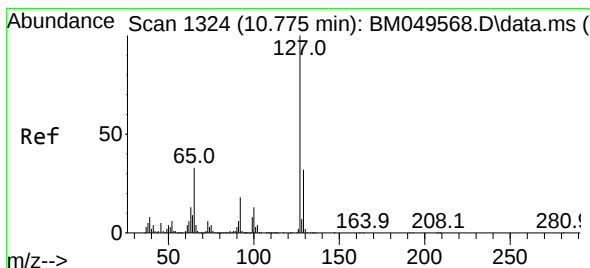
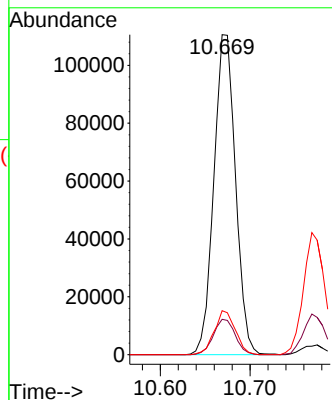
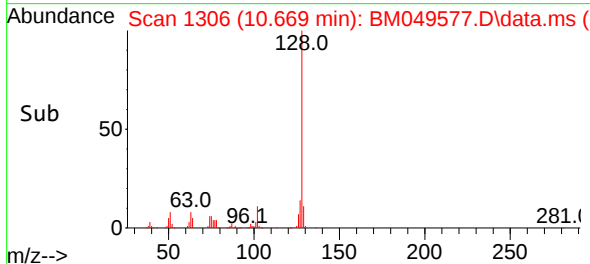
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



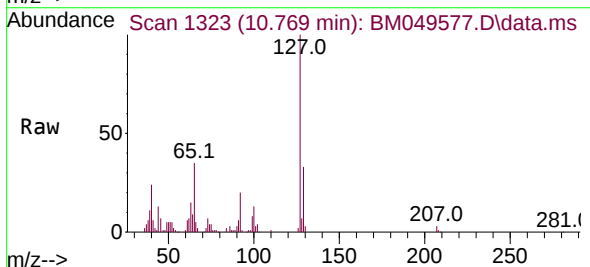
Tgt Ion:128 Resp: 18548
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.7 10.6 15.8

Manual Integrations
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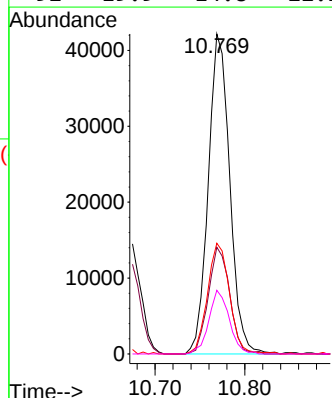
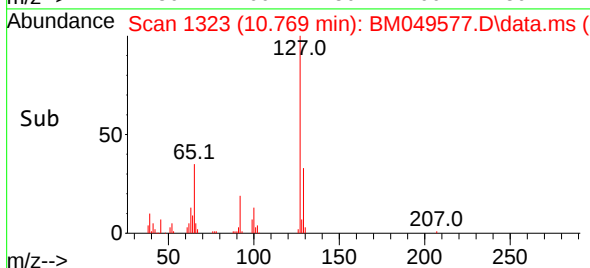
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

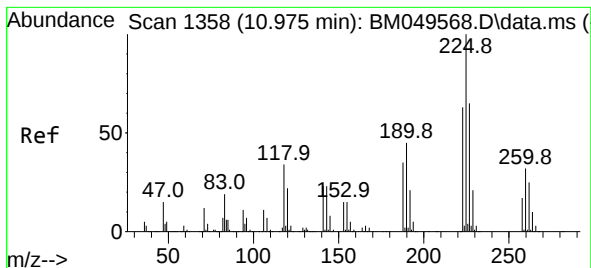


#33
4-Chloroaniline
Concen: 5.398 ng
RT: 10.769 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59



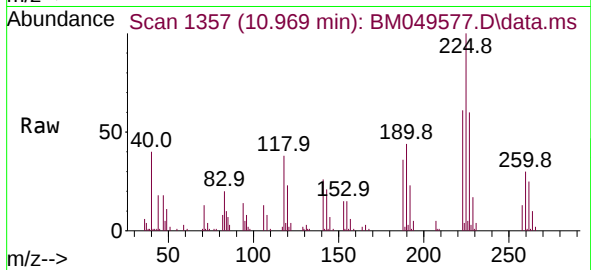
Tgt Ion:127 Resp: 70158
Ion Ratio Lower Upper
127 100
129 33.4 25.8 38.8
65 34.6 26.4 39.6
92 19.9 14.8 22.2





#34
Hexachlorobutadiene
Concen: 5.551 ng
RT: 10.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

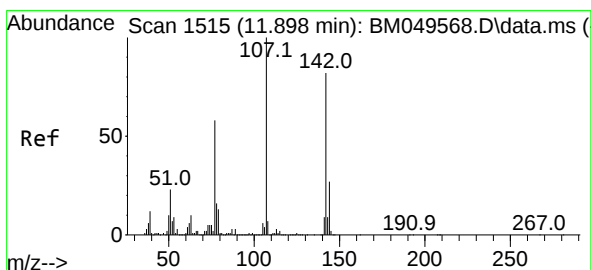
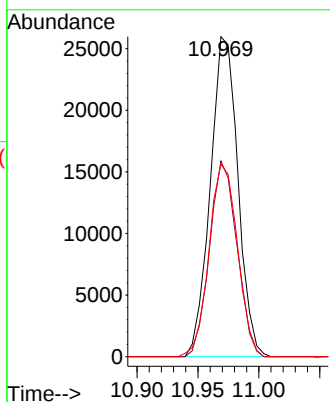
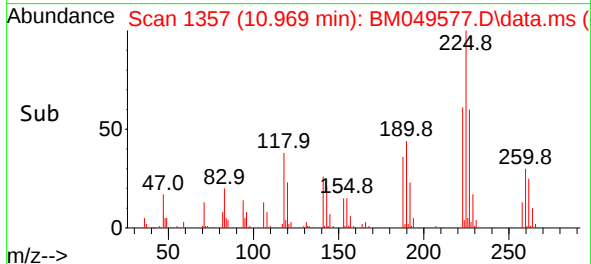
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



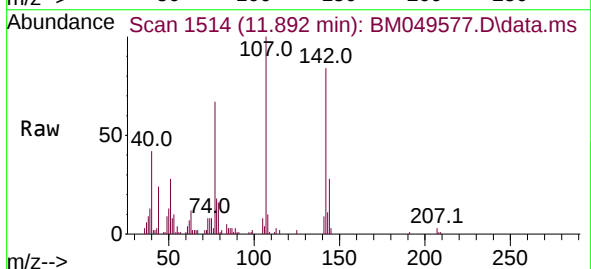
Tgt Ion:225 Resp: 4094
Ion Ratio Lower Upper
225 100
223 61.2 50.6 75.8
227 63.5 51.8 77.6

Manual Integrations
APPROVED

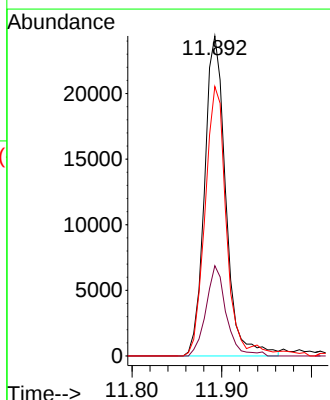
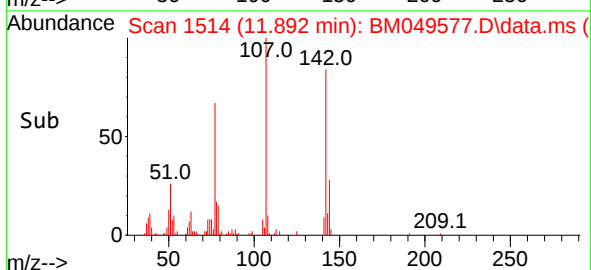
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

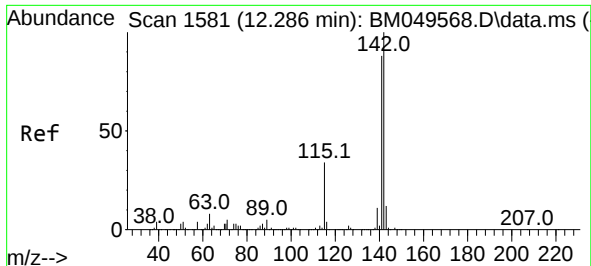


#36
4-Chloro-3-methylphenol
Concen: 3.990 ng
RT: 11.892 min Scan# 1514
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59



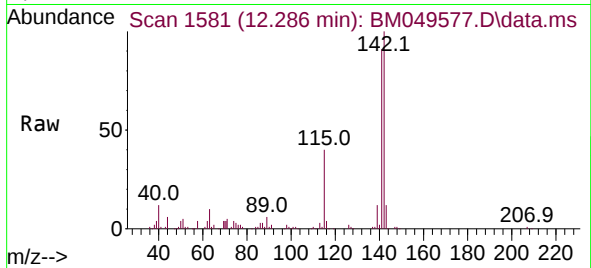
Tgt Ion:107 Resp: 40001
Ion Ratio Lower Upper
107 100
144 28.2 21.2 31.8
142 84.2 65.4 98.2





#37
2-Methylnaphthalene
Concen: 5.074 ng
RT: 12.286 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

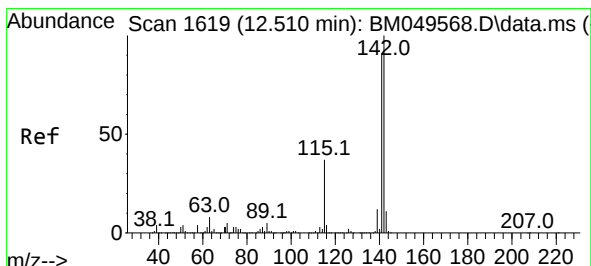
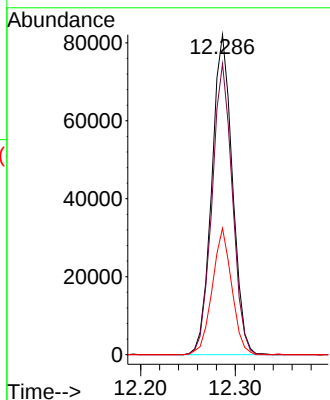
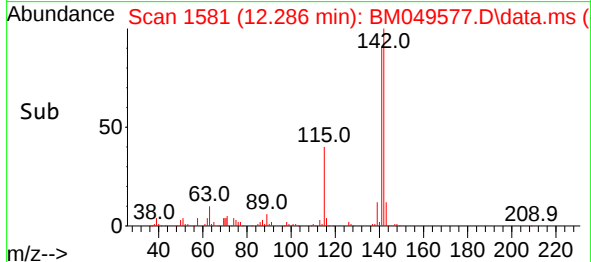
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:142 Resp: 124058
Ion Ratio Lower Upper
142 100
141 90.9 70.2 105.4
115 39.5 27.5 41.3

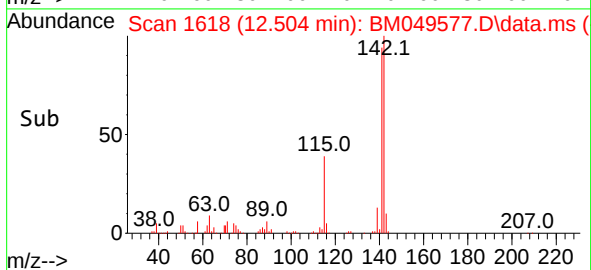
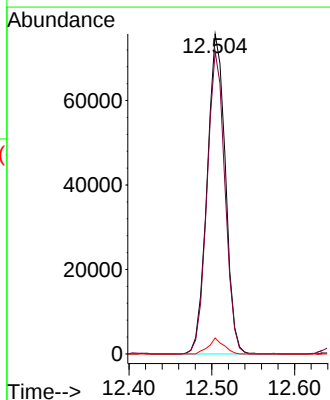
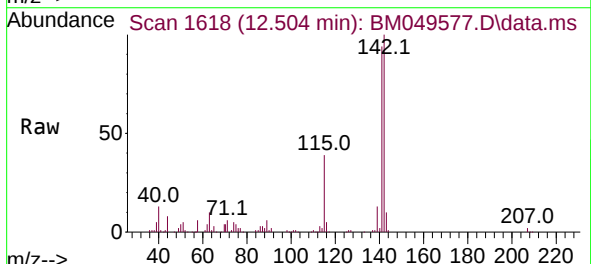
Manual Integrations
APPROVED

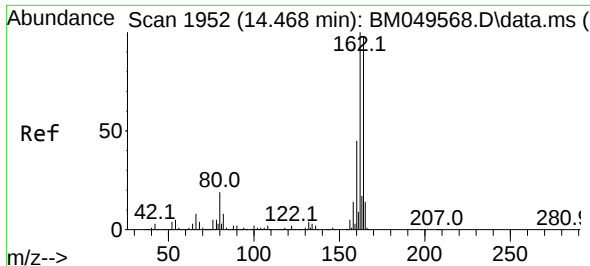
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#38
1-Methylnaphthalene
Concen: 4.879 ng m
RT: 12.504 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

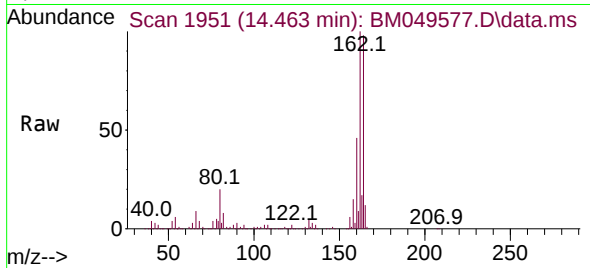
Tgt Ion:142 Resp: 116059
Ion Ratio Lower Upper
142 100
141 94.5 73.1 109.7
116 5.0 3.1 4.7#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

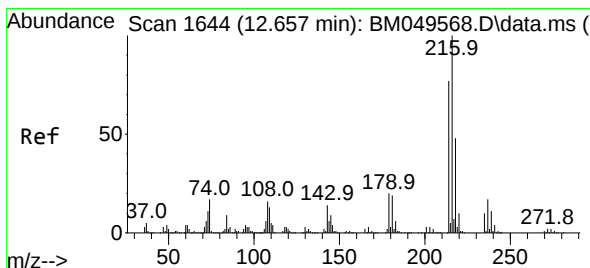
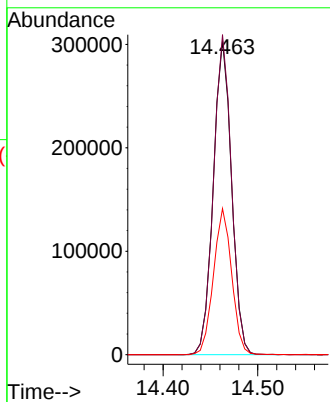
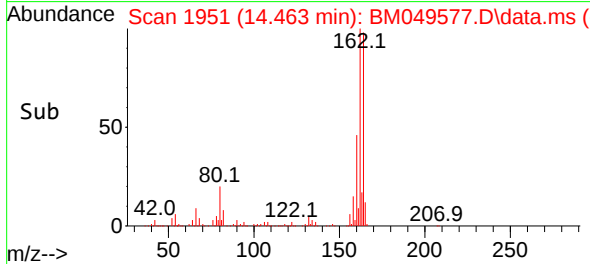
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



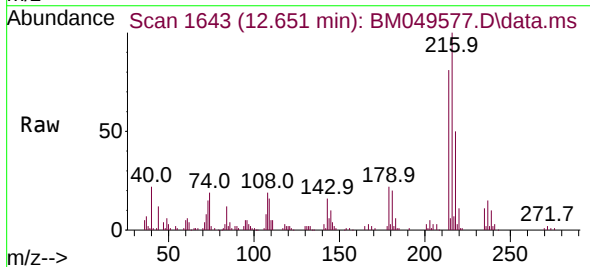
Tgt Ion:164 Resp: 407609
Ion Ratio Lower Upper
164 100
162 101.9 81.4 122.0
160 46.6 36.2 54.4

Manual Integrations
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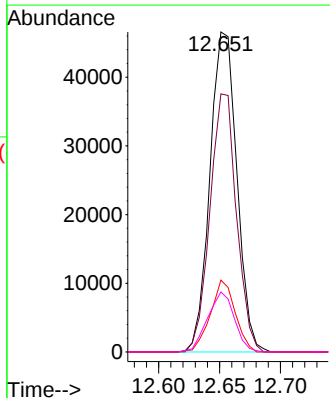
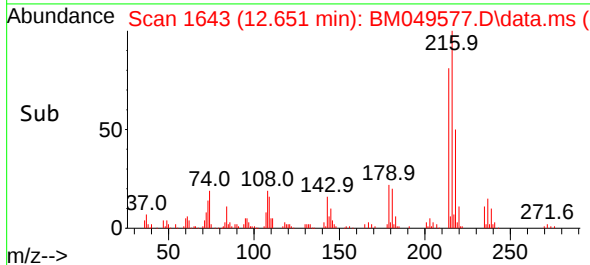
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

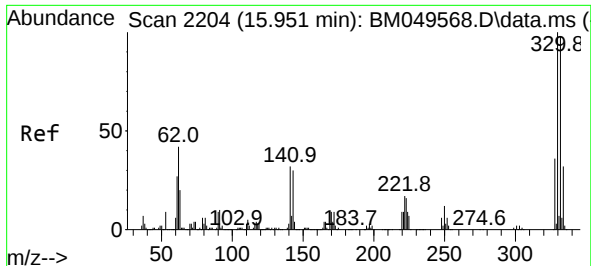


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.348 ng
RT: 12.651 min Scan# 1643
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59



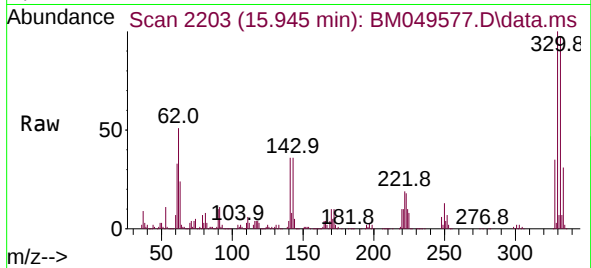
Tgt Ion:216 Resp: 71672
Ion Ratio Lower Upper
216 100
214 79.4 62.4 93.6
179 20.7 16.3 24.5
108 18.6 13.7 20.5





#42
2,4,6-Tribromophenol
Concen: 146.495 ng
RT: 15.945 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

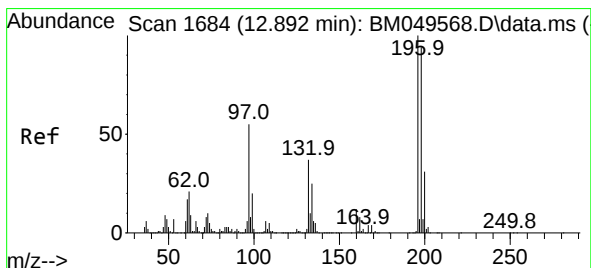
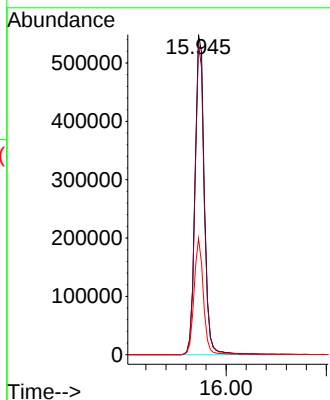
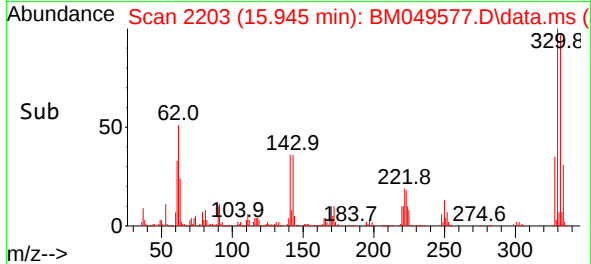
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:330 Resp: 70753
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 36.3 28.2 42.2

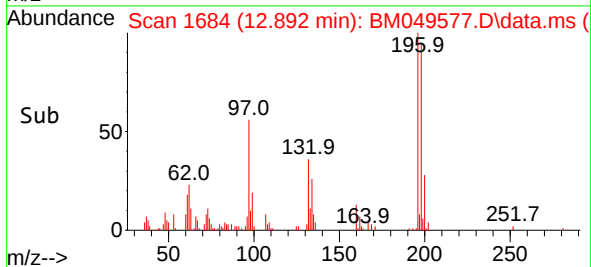
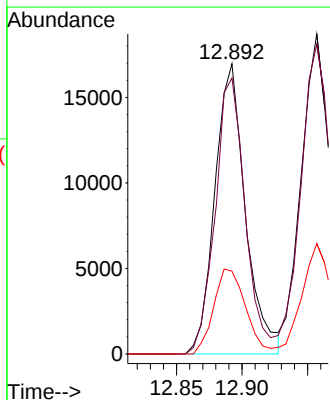
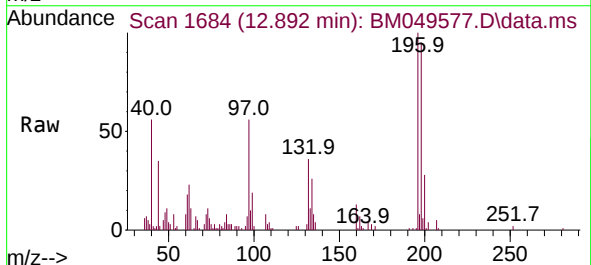
Manual Integrations
APPROVED

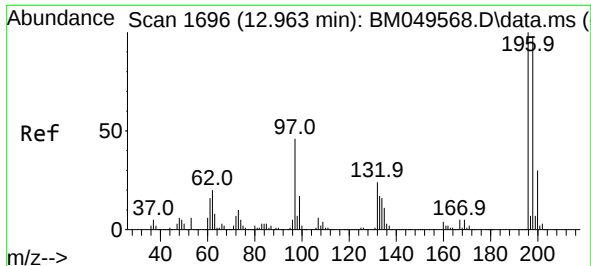
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#43
2,4,6-Trichlorophenol
Concen: 3.760 ng
RT: 12.892 min Scan# 1684
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

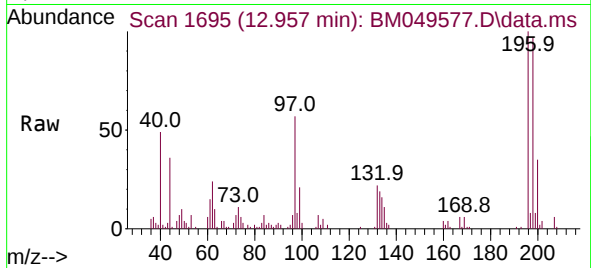
Tgt Ion:196 Resp: 27500
Ion Ratio Lower Upper
196 100
198 95.1 75.4 113.0
200 28.5 25.1 37.7





#44
2,4,5-Trichlorophenol
Concen: 4.032 ng m
RT: 12.957 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

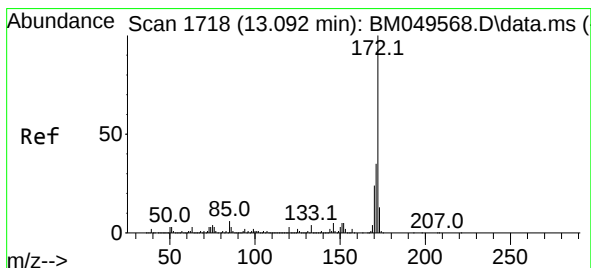
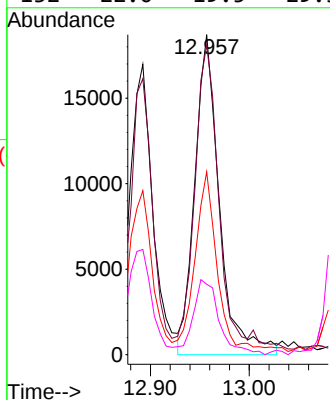
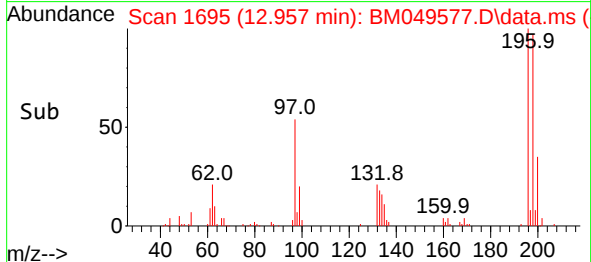
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:196 Resp: 3240
Ion Ratio Lower Upper
196 100
198 96.8 78.4 117.6
97 57.1 37.4 56.0
132 22.0 19.5 29.3

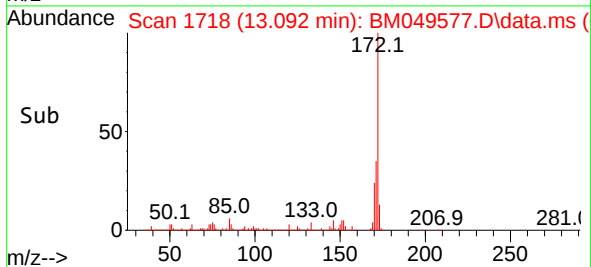
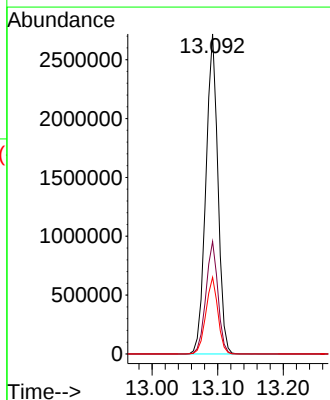
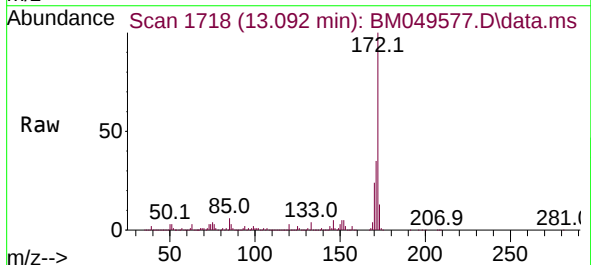
Manual Integrations
APPROVED

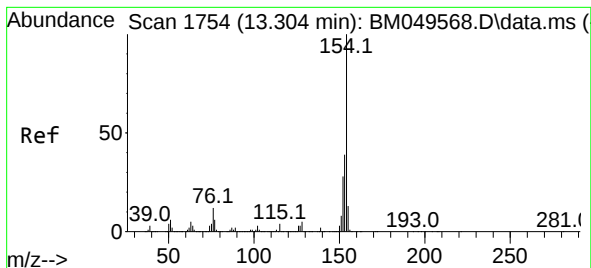
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#45
2-Fluorobiphenyl
Concen: 110.343 ng
RT: 13.092 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:172 Resp: 3471878
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 24.0 19.0 28.4





#46

1,1'-Biphenyl

Concen: 5.670 ng

RT: 13.298 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

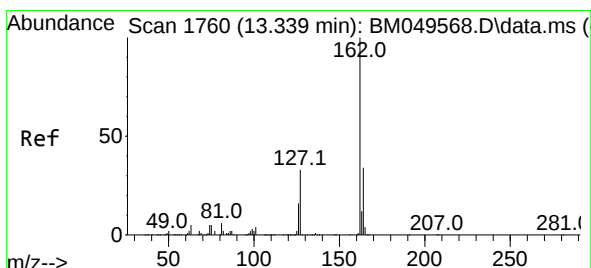
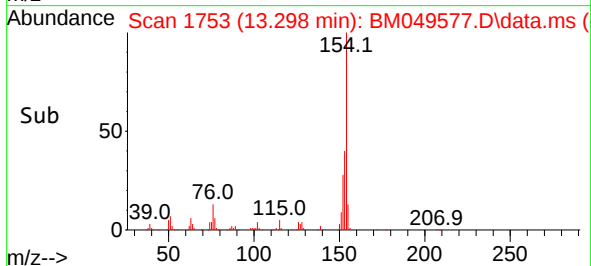
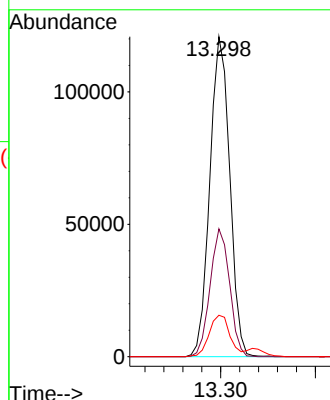
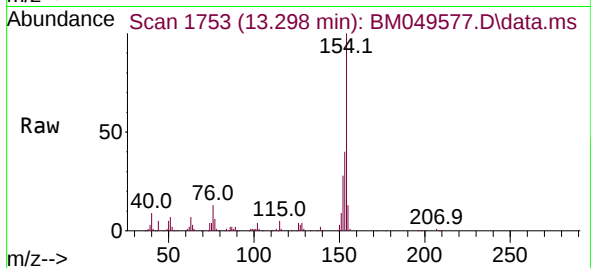
LOQ-SOIL-02-QT1-2025

Tgt Ion:154	Resp: 17630
Ion Ratio	Lower Upper
154	100
153	40.0 19.5 59.5
76	13.0 0.0 32.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#47

2-Chloronaphthalene

Concen: 5.459 ng

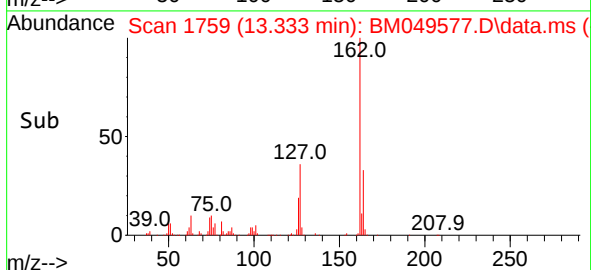
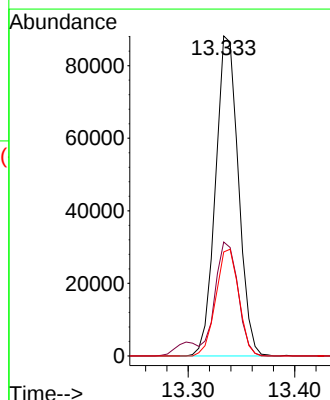
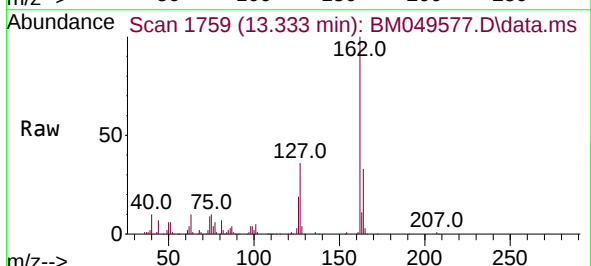
RT: 13.333 min Scan# 1759

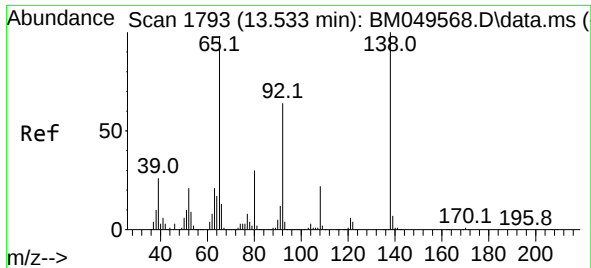
Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Tgt Ion:162	Resp: 131343
Ion Ratio	Lower Upper
162	100
127	35.6 27.9 41.9
164	32.5 26.8 40.2





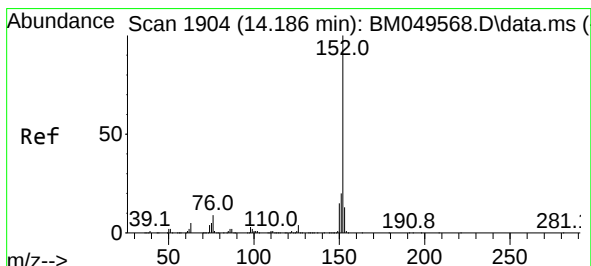
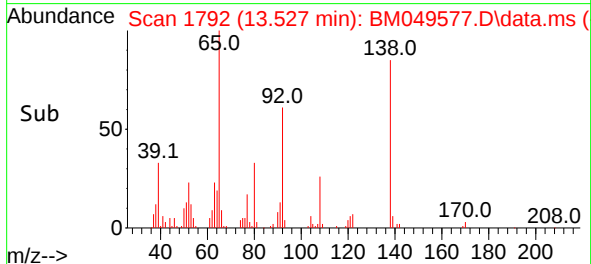
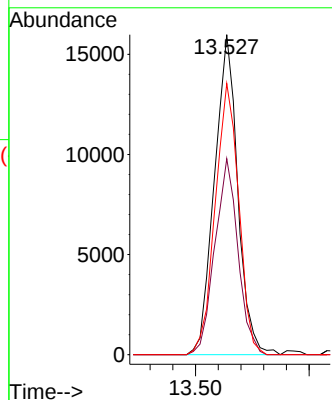
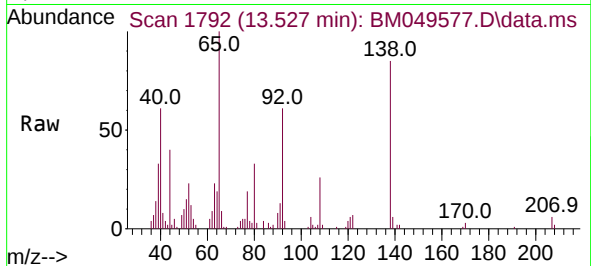
#48
2-Nitroaniline
Concen: 4.126 ng
RT: 13.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion: 65 Resp: 22774
Ion Ratio Lower Upper
65 100
92 61.2 52.0 78.0
138 84.8 81.6 122.4

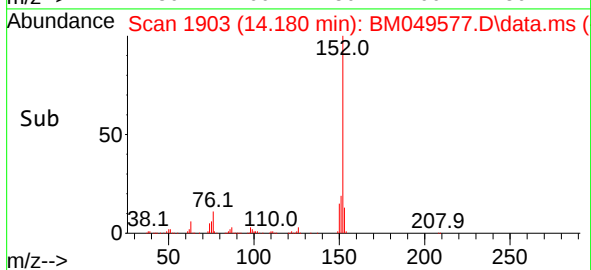
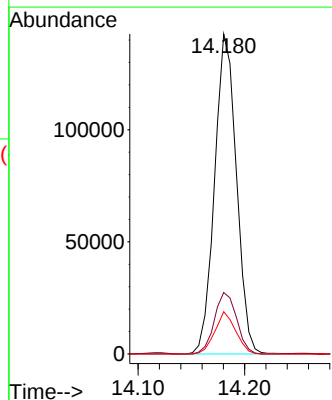
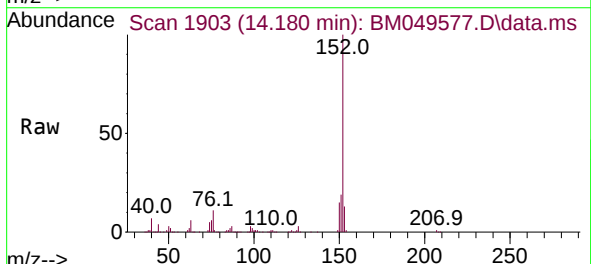
Manual Integrations
APPROVED

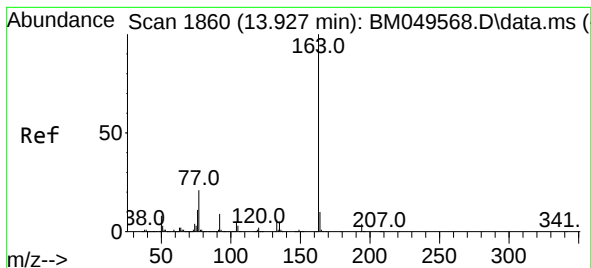
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#49
Acenaphthylene
Concen: 5.728 ng
RT: 14.180 min Scan# 1903
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:152 Resp: 203206
Ion Ratio Lower Upper
152 100
151 19.2 16.2 24.4
153 13.2 10.6 16.0





#50

Dimethylphthalate

Concen: 5.011 ng

RT: 13.922 min Scan# 1860

Delta R.T. -0.006 min

Lab File: BM049577.D

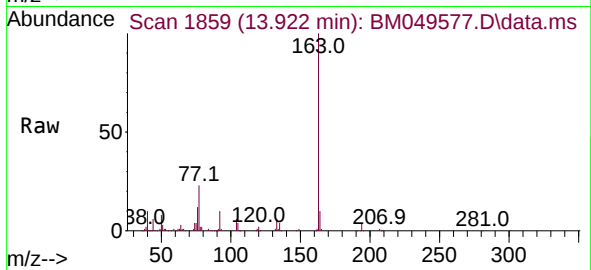
Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025



Tgt Ion:163 Resp: 14668

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

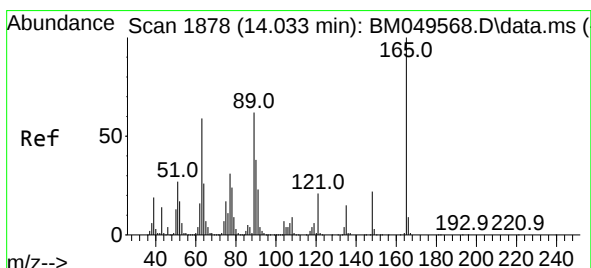
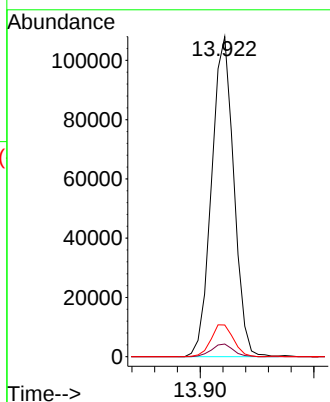
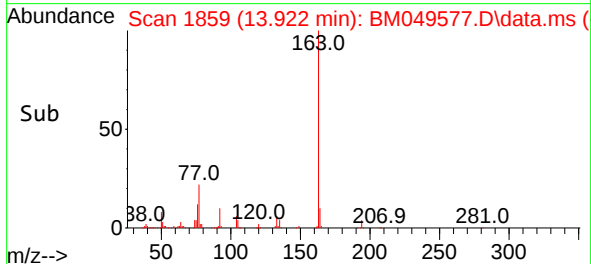
164 9.9 8.1 12.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/07/2025

Supervised By :mohammad ahmed 02/07/2025



#51

2,6-Dinitrotoluene

Concen: 4.334 ng

RT: 14.027 min Scan# 1877

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

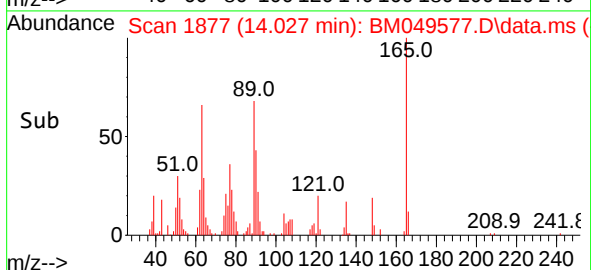
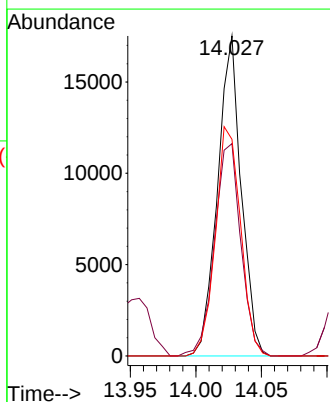
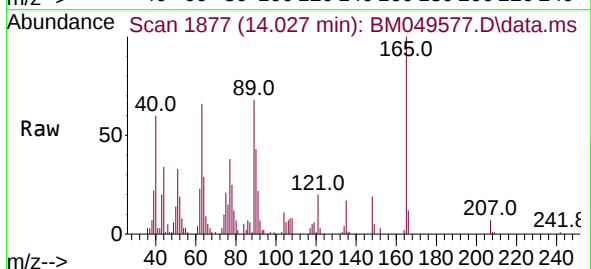
Tgt Ion:165 Resp: 21950

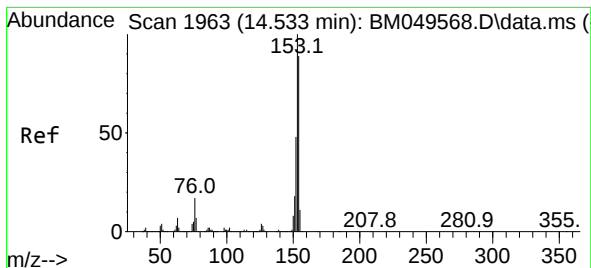
Ion Ratio Lower Upper

165 100

63 66.3 47.8 71.6

89 67.7 49.2 73.8





#52

Acenaphthene

Concen: 4.852 ng

RT: 14.527 min Scan# 1962

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

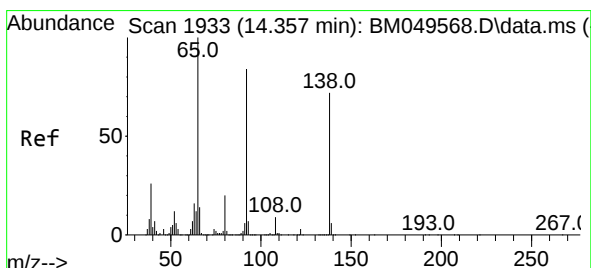
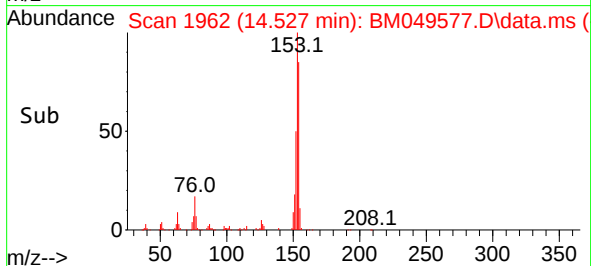
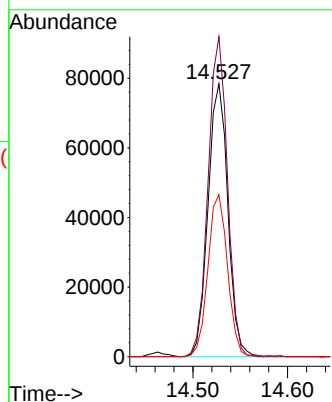
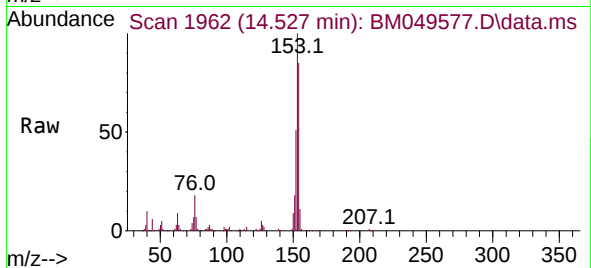
ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:154 Resp: 11425
 Ion Ratio Lower Upper
 154 100
 153 117.3 90.0 135.0
 152 59.4 43.0 64.4

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Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025



#53

3-Nitroaniline

Concen: 4.239 ng

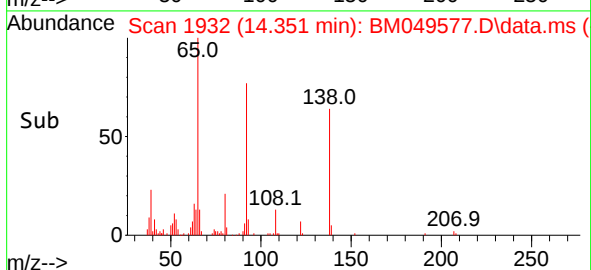
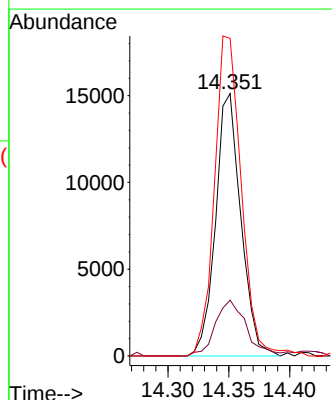
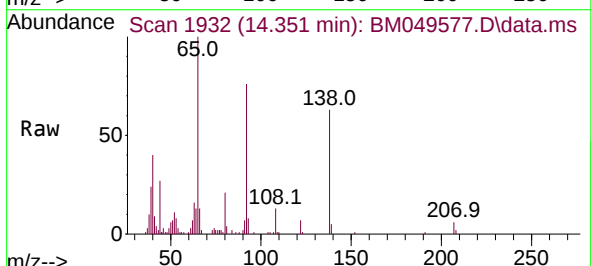
RT: 14.351 min Scan# 1932

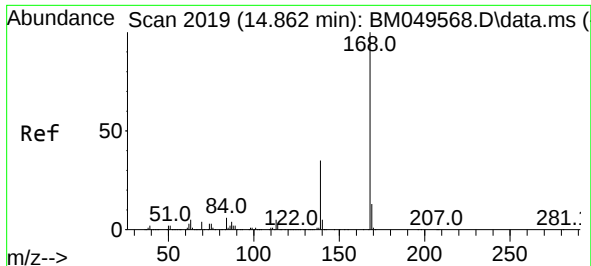
Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

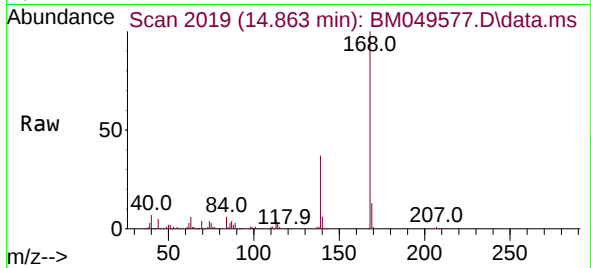
Tgt Ion:138 Resp: 21861
 Ion Ratio Lower Upper
 138 100
 108 21.3 10.3 15.5#
 92 121.1 93.6 140.4





#55
Dibenzenofuran
Concen: 5.163 ng
RT: 14.863 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

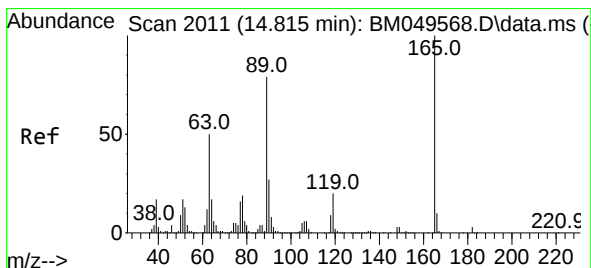
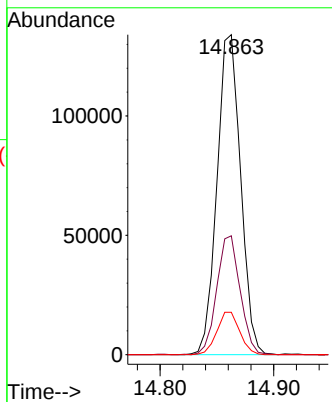
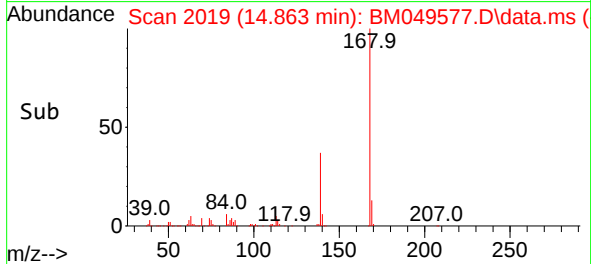
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:168 Resp: 19356
Ion Ratio Lower Upper
168 100
139 37.1 28.4 42.6
169 13.3 10.8 16.2

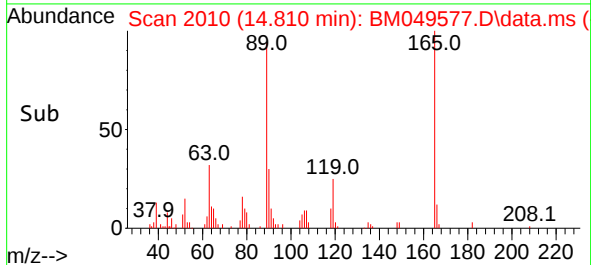
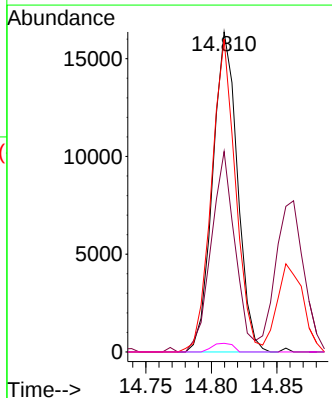
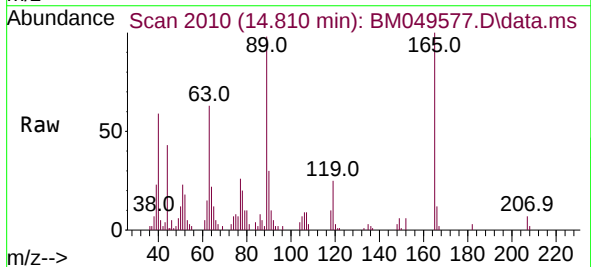
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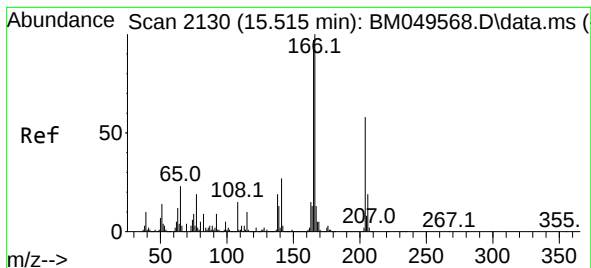
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#57
2,4-Dinitrotoluene
Concen: 6.034 ng
RT: 14.810 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

Tgt Ion:165 Resp: 21470
Ion Ratio Lower Upper
165 100
63 62.6 39.8 59.6#
89 97.7 63.5 95.3#
182 2.7 2.0 3.0





#58

Fluorene

Concen: 4.750 ng

RT: 15.510 min Scan# 2130

Delta R.T. -0.006 min

Lab File: BM049577.D

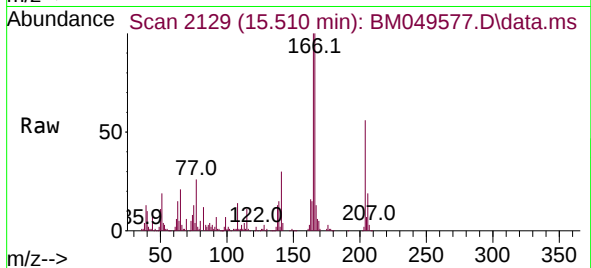
Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025



Tgt Ion:166 Resp: 152350

Ion Ratio Lower Upper

166 100

165 99.9 77.7 116.5

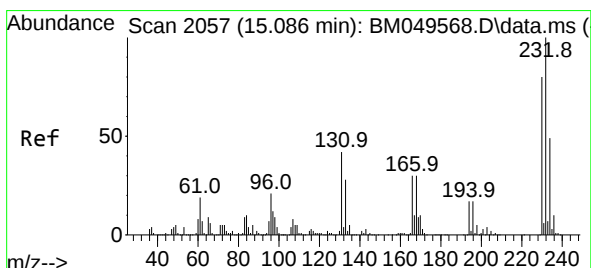
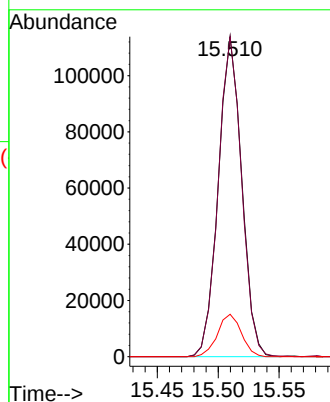
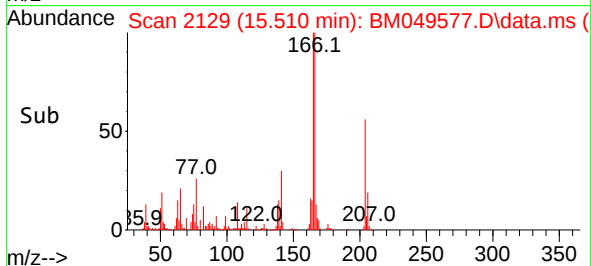
167 13.2 10.7 16.1

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Reviewed By :Jagrut Upadhyay 02/07/2025

Supervised By :mohammad ahmed 02/07/2025



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.849 ng m

RT: 15.086 min Scan# 2057

Delta R.T. 0.000 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Tgt Ion:232 Resp: 26131

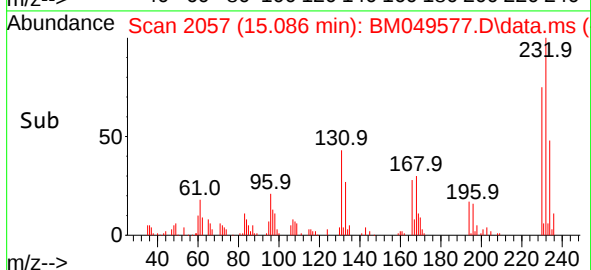
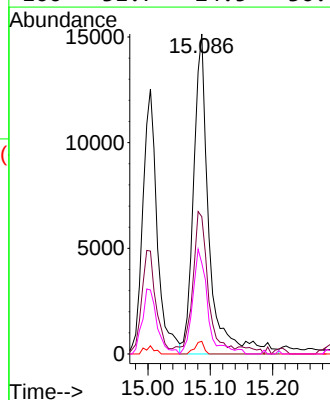
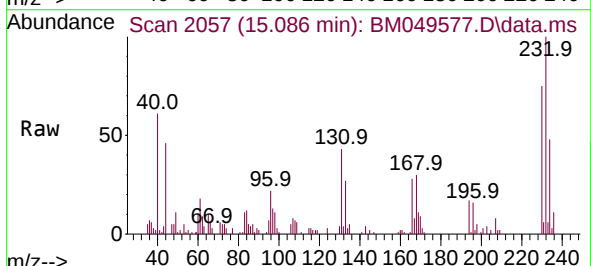
Ion Ratio Lower Upper

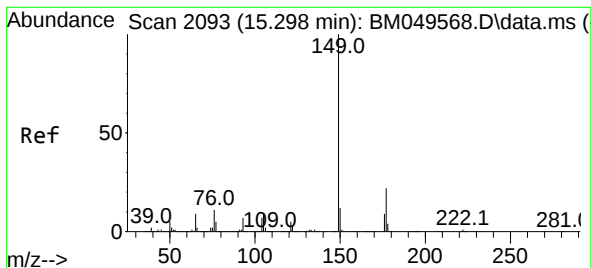
232 100

131 41.2 34.5 51.7

130 2.3 1.9 2.9

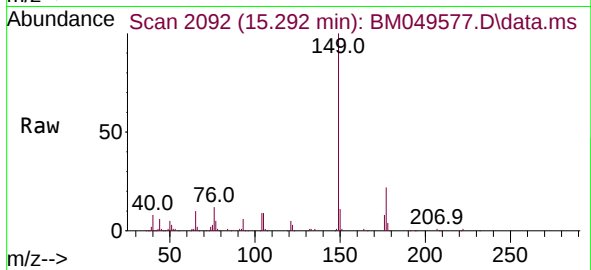
166 31.7 24.5 36.7





#60
Diethylphthalate
Concen: 4.788 ng
RT: 15.292 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

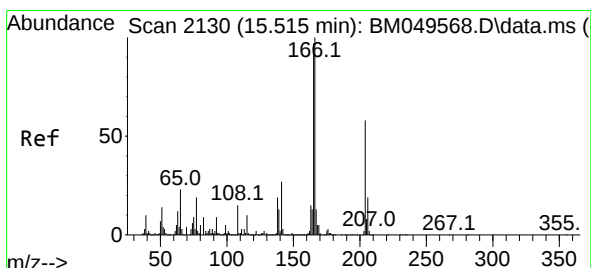
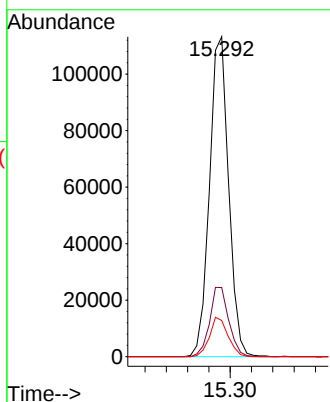
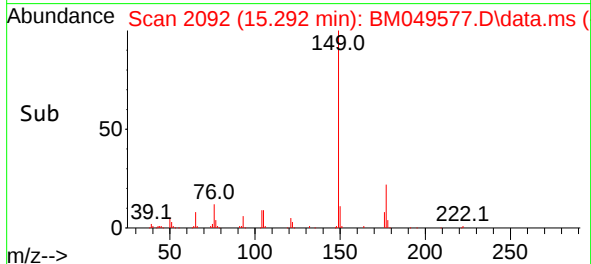
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:149 Resp: 14084
Ion Ratio Lower Upper
149 100
177 21.6 18.0 27.0
150 11.3 9.7 14.5

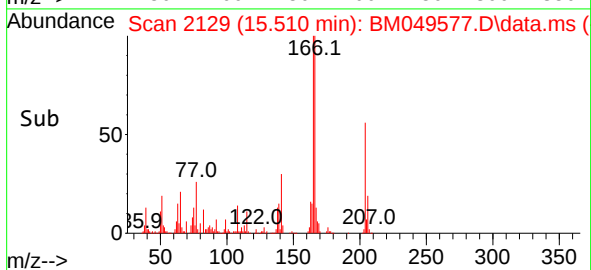
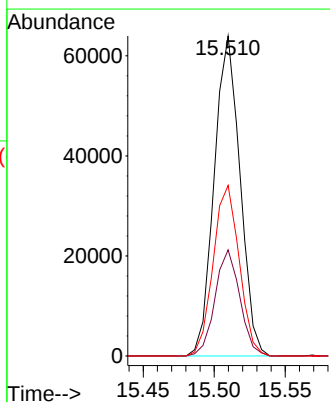
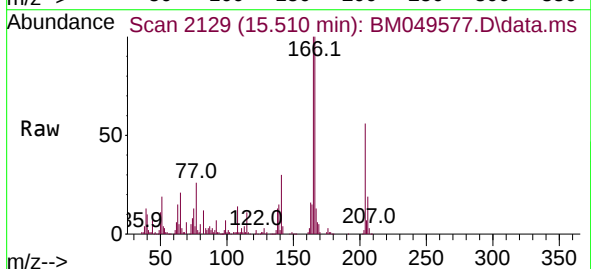
Manual Integrations
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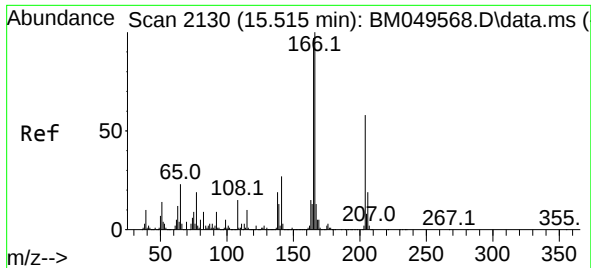
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#61
4-Chlorophenyl-phenylether
Concen: 4.732 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

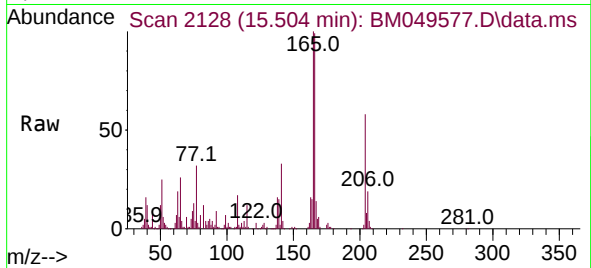
Tgt Ion:204 Resp: 80780
Ion Ratio Lower Upper
204 100
206 33.2 26.0 39.0
141 53.3 37.1 55.7





#62
4-Nitroaniline
Concen: 3.738 ng
RT: 15.504 min Scan# 2130
Delta R.T. -0.011 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

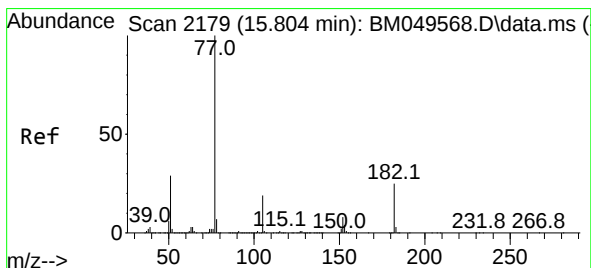
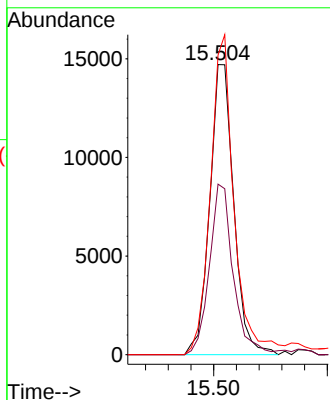
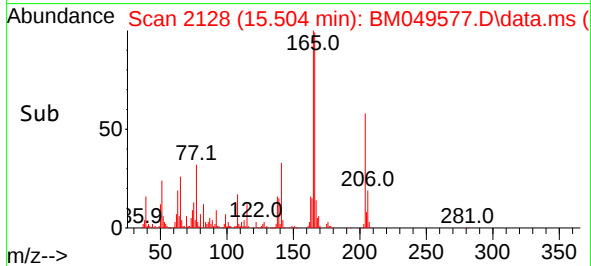
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:138 Resp: 2159
Ion Ratio Lower Upper
138 100
92 58.8 29.3 69.3
108 103.2 60.1 100.1

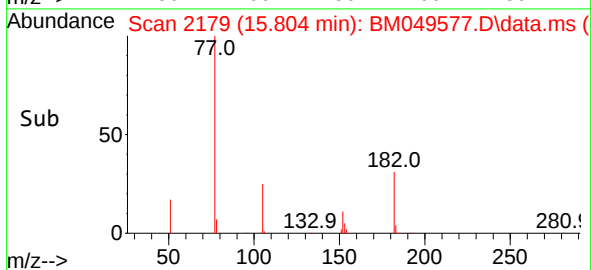
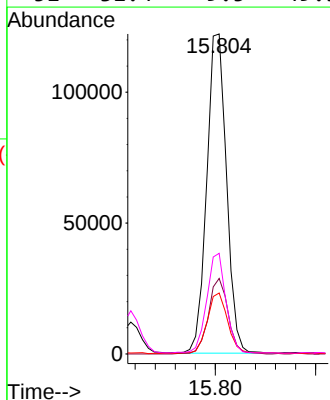
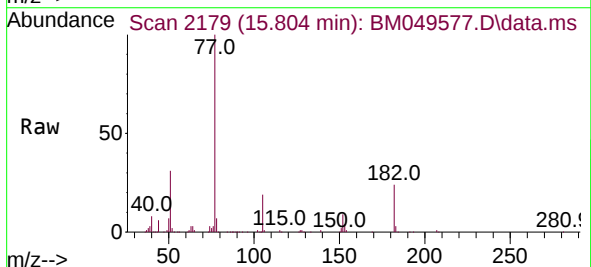
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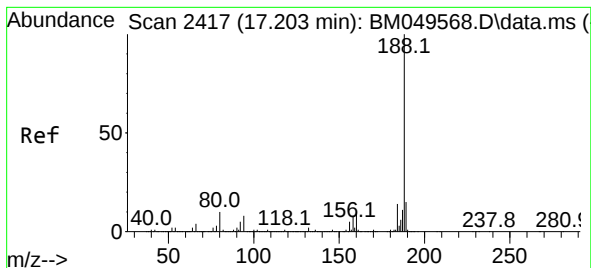
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#63
Azobenzene
Concen: 5.450 ng
RT: 15.804 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

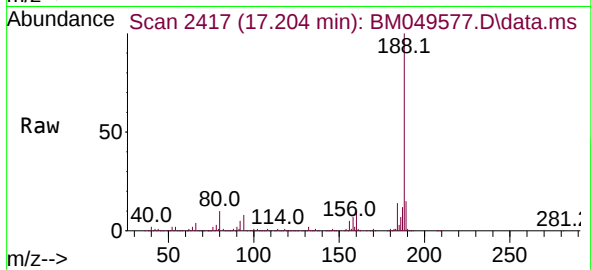
Tgt Ion: 77 Resp: 167359
Ion Ratio Lower Upper
77 100
182 23.6 4.7 44.7
105 19.0 0.0 39.3
51 31.4 9.5 49.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

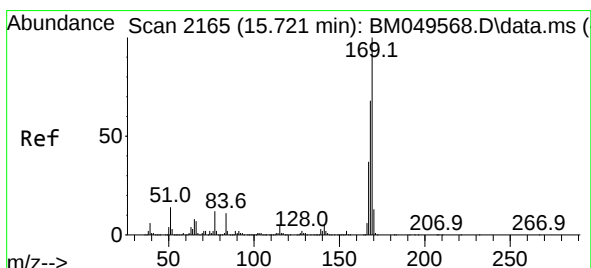
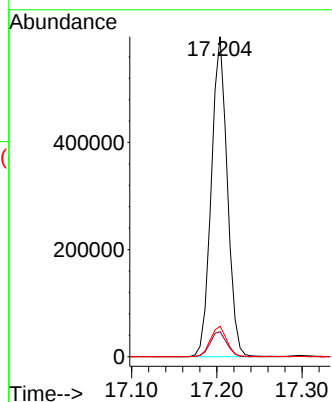
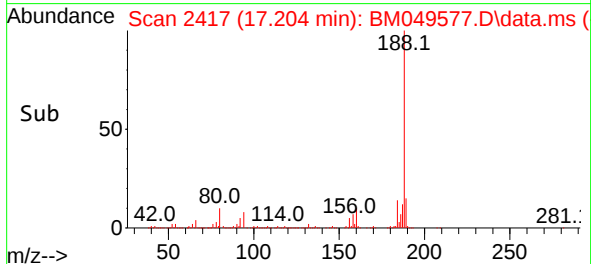
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



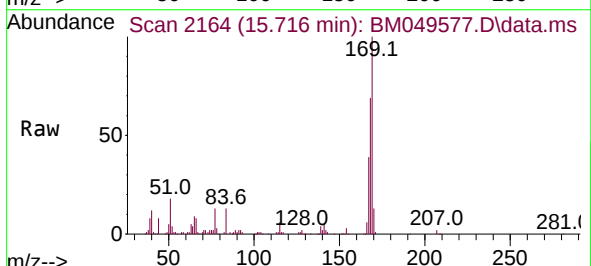
Tgt Ion:188 Resp: 77853
Ion Ratio Lower Upper
188 100
94 7.8 6.7 10.1
80 9.5 7.7 11.5

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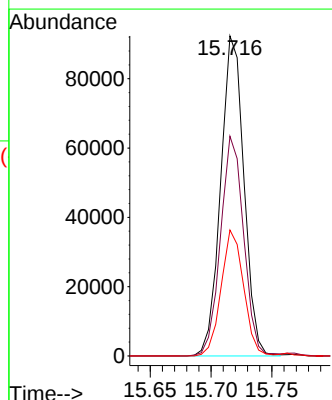
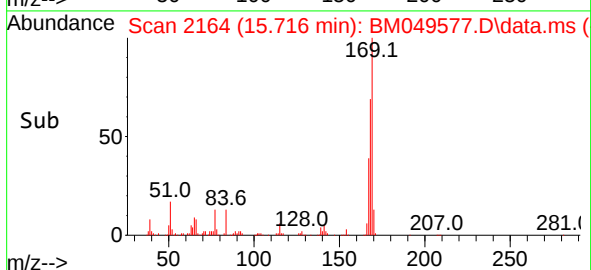
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

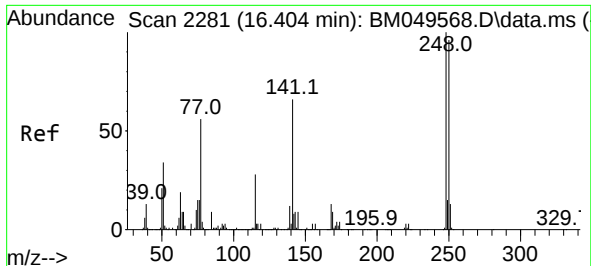


#66
n-Nitrosodiphenylamine
Concen: 5.001 ng
RT: 15.716 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59



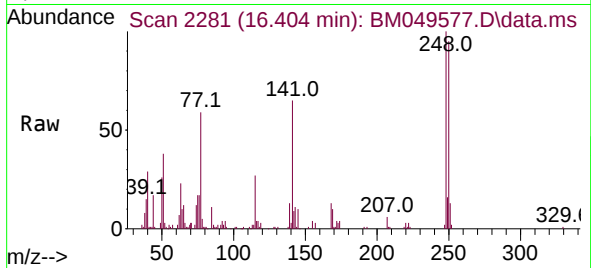
Tgt Ion:169 Resp: 122779
Ion Ratio Lower Upper
169 100
168 68.6 54.2 81.4
167 39.3 29.5 44.3





#67
4-Bromophenyl-phenylether
Concen: 4.982 ng
RT: 16.404 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

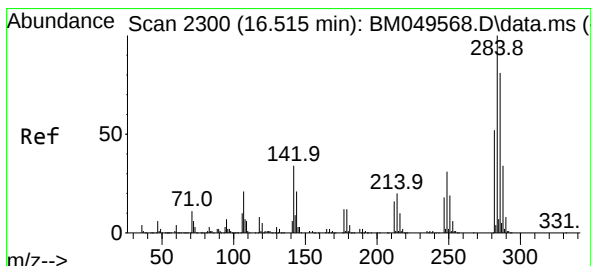
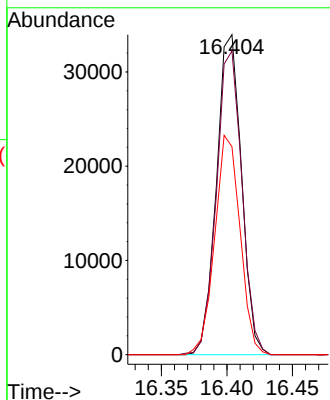
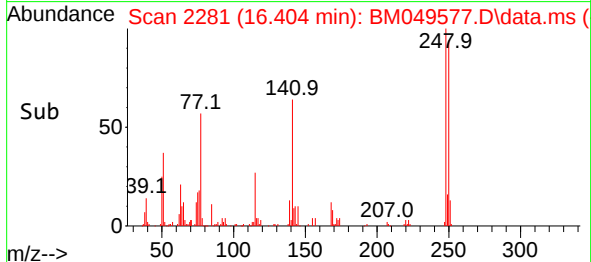
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



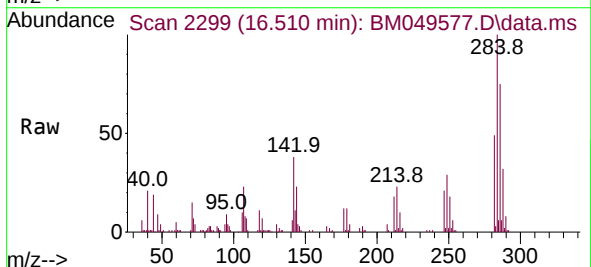
Tgt Ion:248 Resp: 45060
Ion Ratio Lower Upper
248 100
250 94.9 77.0 115.4
141 65.0 53.0 79.4

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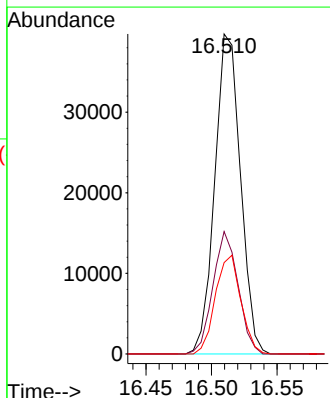
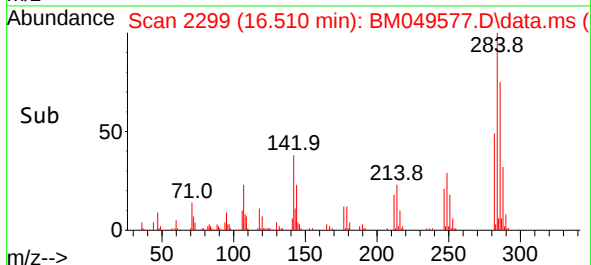
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

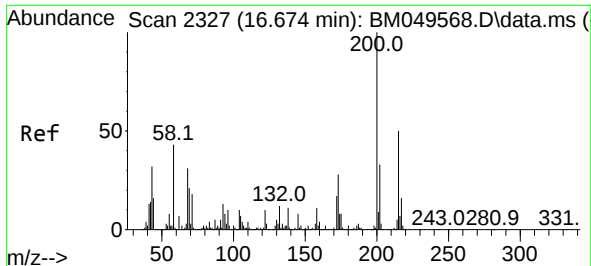


#68
Hexachlorobenzene
Concen: 5.206 ng
RT: 16.510 min Scan# 2299
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59



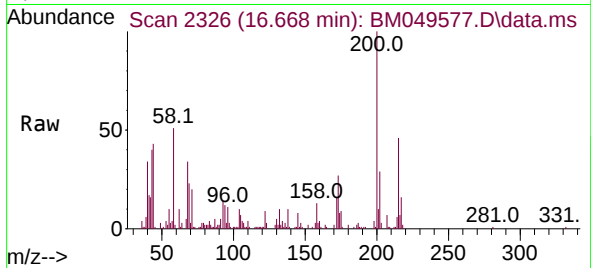
Tgt Ion:284 Resp: 54048
Ion Ratio Lower Upper
284 100
142 38.3 27.1 40.7
249 28.5 24.6 36.8





#69
 Atrazine
 Concen: 4.701 ng
 RT: 16.668 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM049577.D
 Acq: 06 Feb 2025 10:59

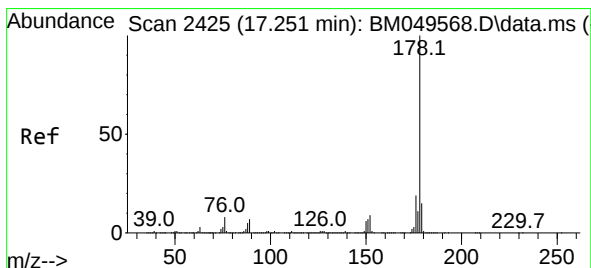
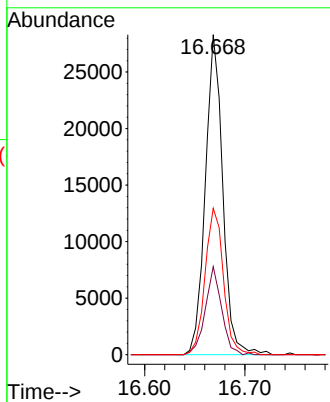
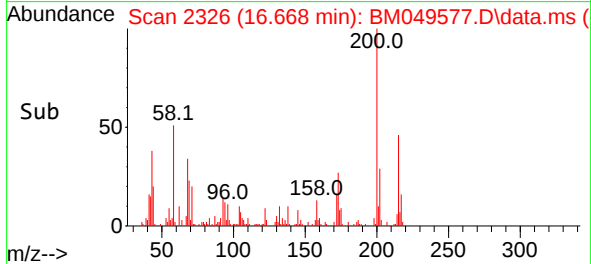
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



Tgt Ion:200 Resp: 34310
 Ion Ratio Lower Upper
 200 100
 173 27.5 7.6 47.6
 215 45.8 30.2 70.2

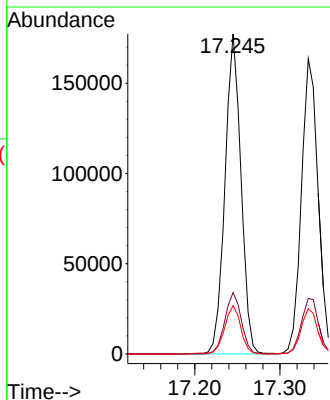
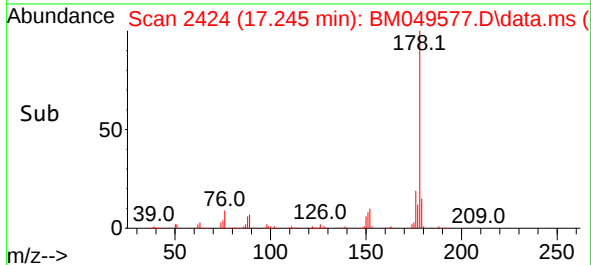
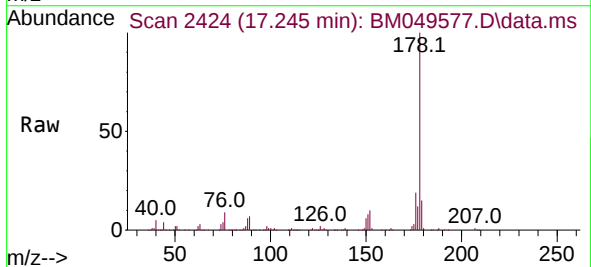
Manual Integrations
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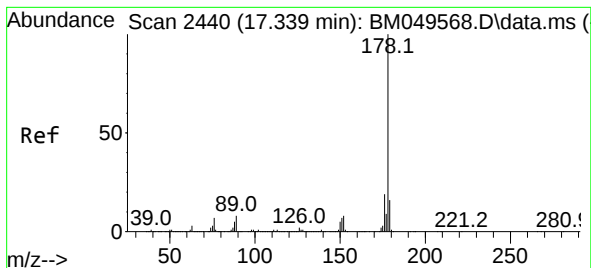
Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025



#71
 Phenanthrene
 Concen: 5.210 ng
 RT: 17.245 min Scan# 2424
 Delta R.T. -0.006 min
 Lab File: BM049577.D
 Acq: 06 Feb 2025 10:59

Tgt Ion:178 Resp: 231092
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.5 23.3
 179 15.1 12.2 18.2





#72

Anthracene

Concen: 5.060 ng

RT: 17.333 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

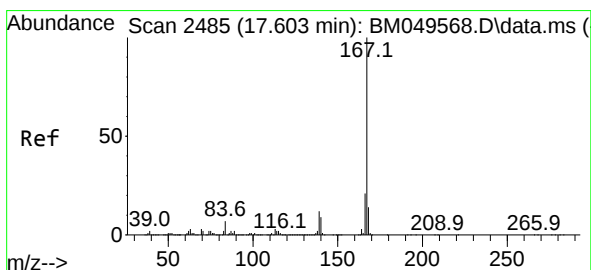
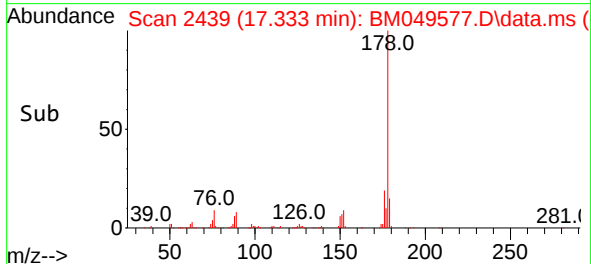
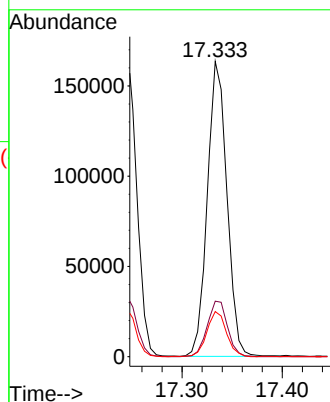
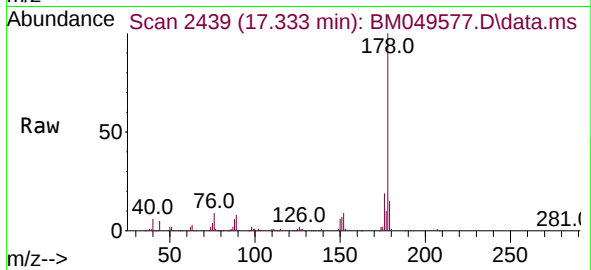
LOQ-SOIL-02-QT1-2025

Tgt Ion:178 Resp: 22221
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.2 22.8
 179 15.3 12.4 18.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025



#73

Carbazole

Concen: 5.118 ng

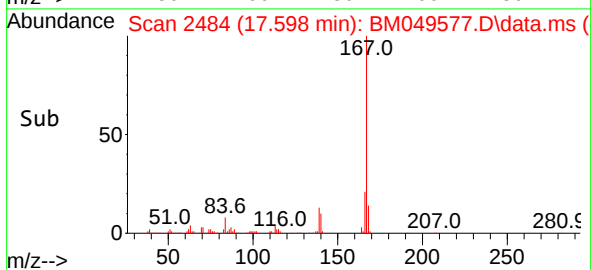
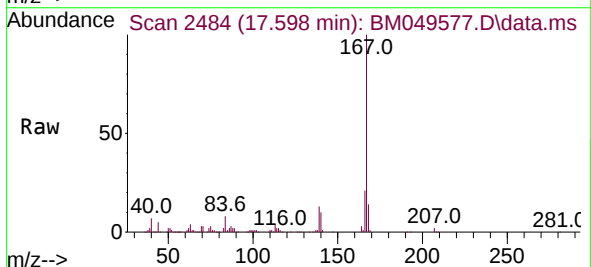
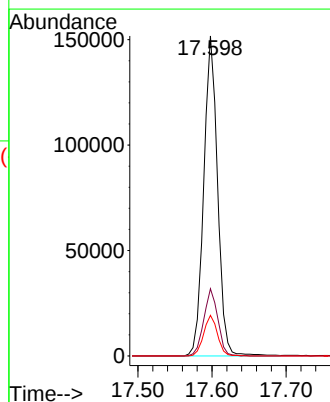
RT: 17.598 min Scan# 2484

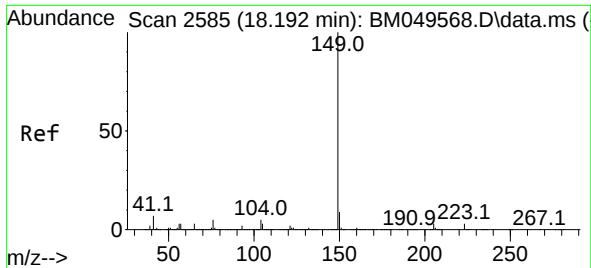
Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

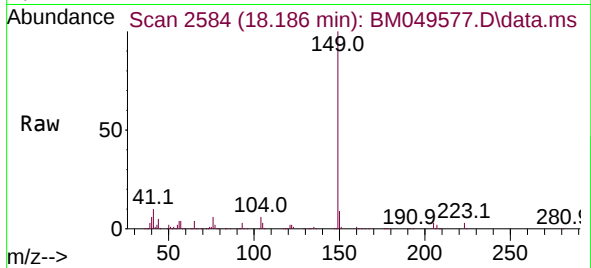
Tgt Ion:167 Resp: 197274
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.2 25.8
 139 12.7 9.6 14.4





#74
Di-n-butylphthalate
Concen: 3.911 ng
RT: 18.186 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

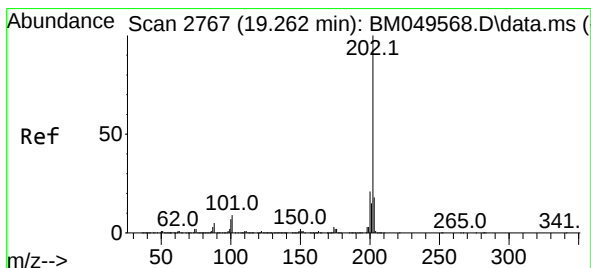
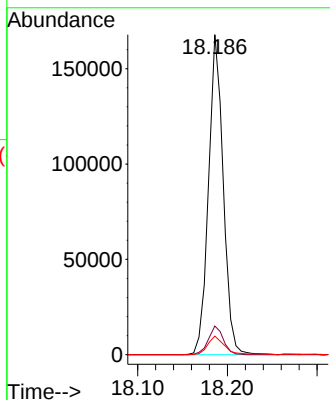
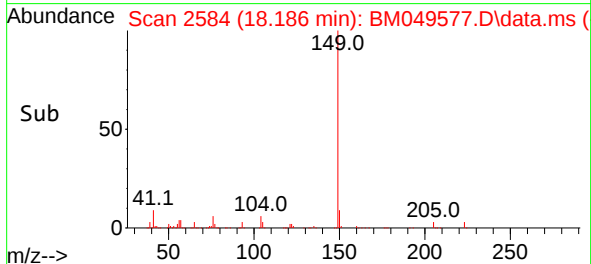
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



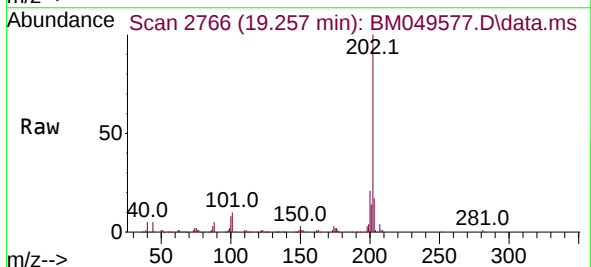
Tgt Ion:149 Resp: 19128
Ion Ratio Lower Upper
149 100
150 8.9 7.4 11.0
104 5.8 4.1 6.1

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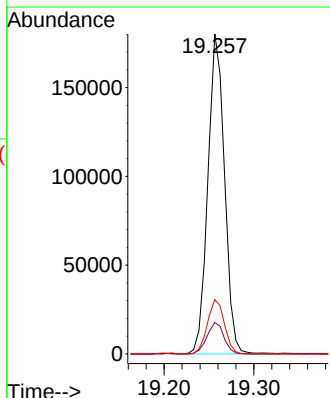
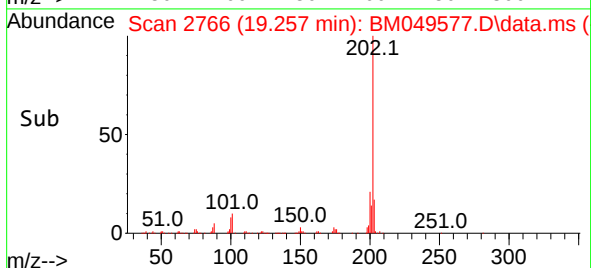
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

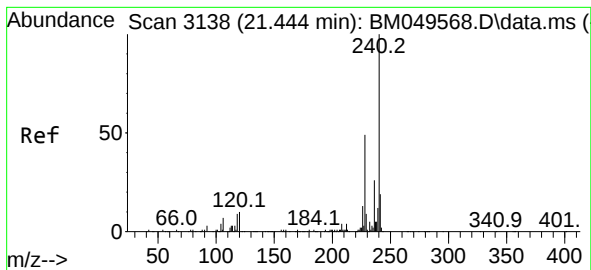


#75
Fluoranthene
Concen: 4.482 ng
RT: 19.257 min Scan# 2766
Delta R.T. -0.006 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59



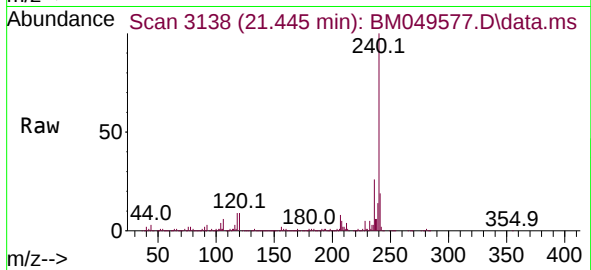
Tgt Ion:202 Resp: 232752
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.1
203 17.0 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3138
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

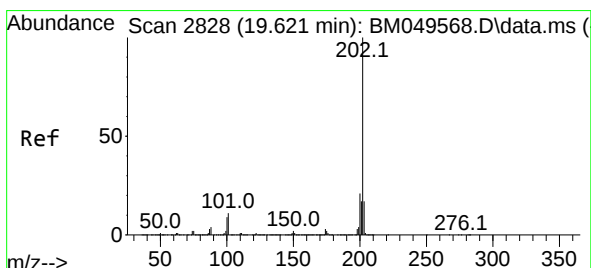
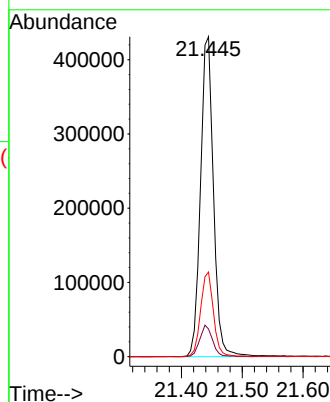
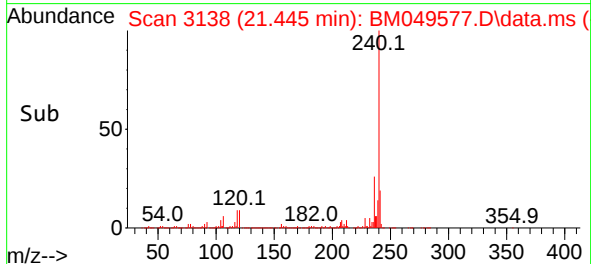
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:240 Resp: 639419
Ion Ratio Lower Upper
240 100
120 8.7 7.8 11.8
236 26.5 20.6 31.0

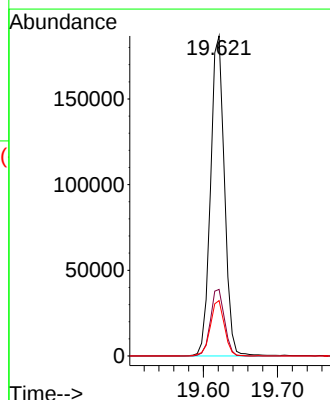
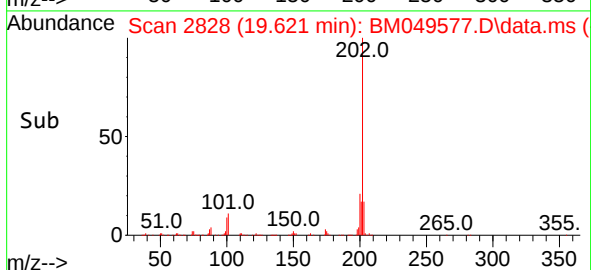
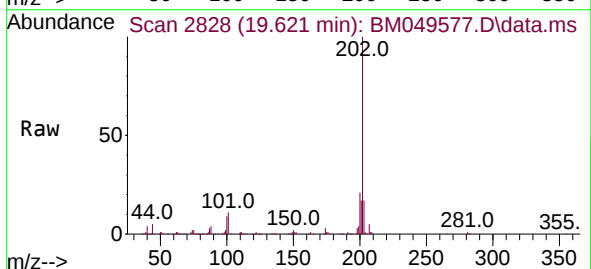
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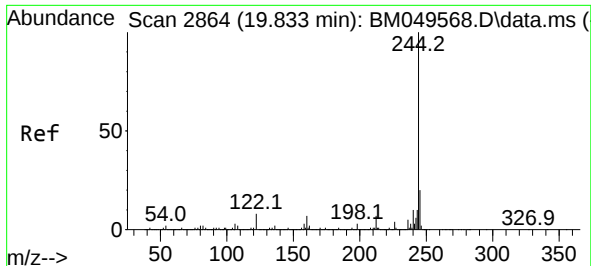
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#78
Pyrene
Concen: 5.083 ng
RT: 19.621 min Scan# 2828
Delta R.T. 0.000 min
Lab File: BM049577.D
Acq: 06 Feb 2025 10:59

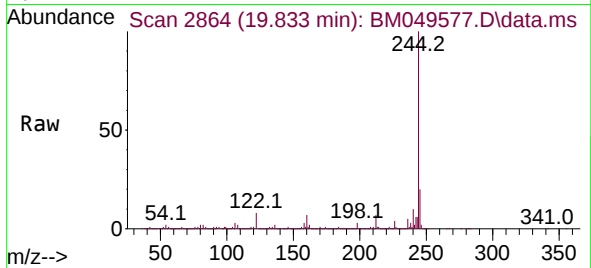
Tgt Ion:202 Resp: 243341
Ion Ratio Lower Upper
202 100
200 20.8 16.8 25.2
203 17.3 13.8 20.8





#79
 Terphenyl-d14
 Concen: 136.327 ng
 RT: 19.833 min Scan# 2864
 Delta R.T. 0.000 min
 Lab File: BM049577.D
 Acq: 06 Feb 2025 10:59

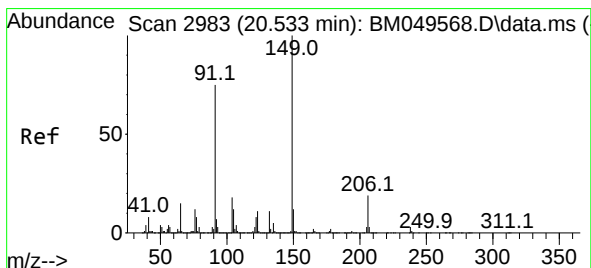
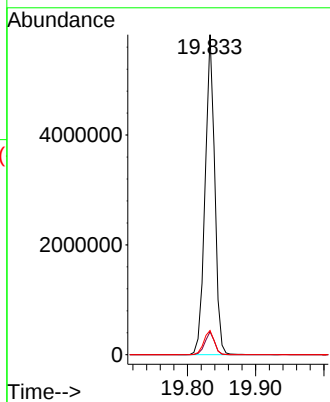
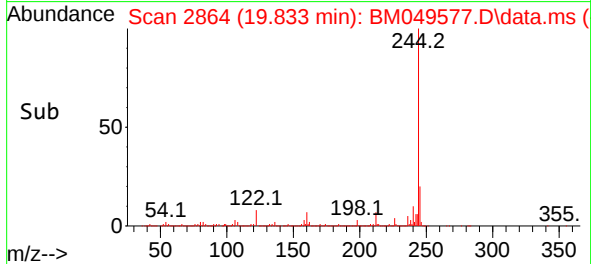
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



Tgt Ion:244 Resp: 570842
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 7.6 6.2 9.2

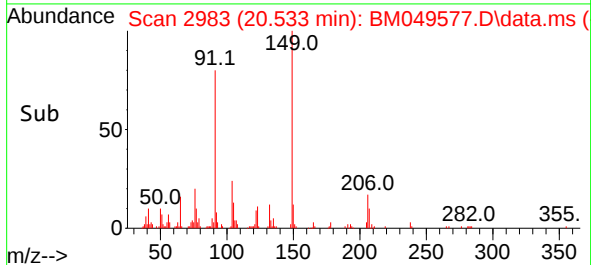
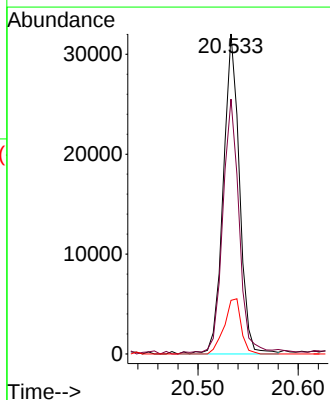
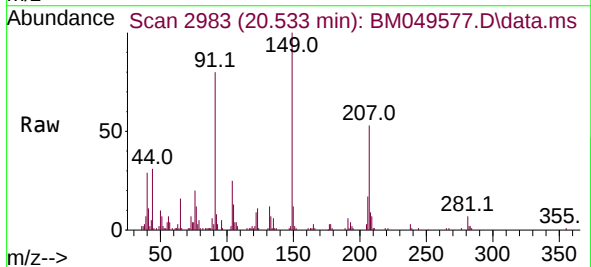
Manual Integrations
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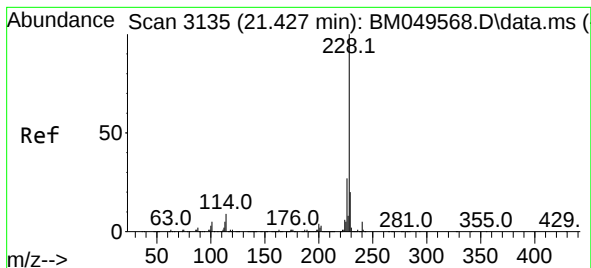
Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025



#80
 Butylbenzylphthalate
 Concen: 2.406 ng
 RT: 20.533 min Scan# 2983
 Delta R.T. -0.000 min
 Lab File: BM049577.D
 Acq: 06 Feb 2025 10:59

Tgt Ion:149 Resp: 35843
 Ion Ratio Lower Upper
 149 100
 91 79.7 60.2 90.2
 206 16.8 15.4 23.0





#81

Benzo(a)anthracene

Concen: 5.114 ng

RT: 21.427 min Scan# 3135

Delta R.T. 0.000 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

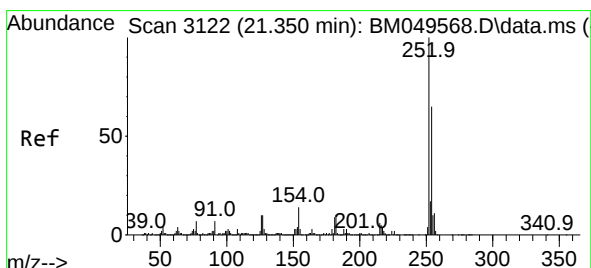
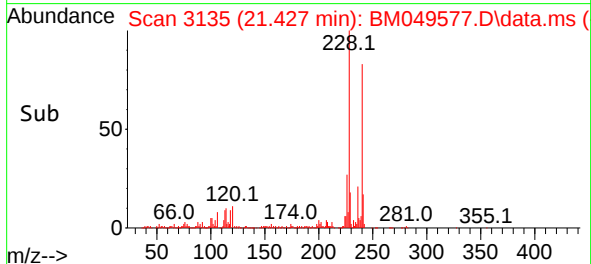
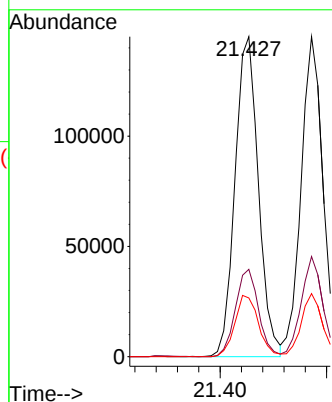
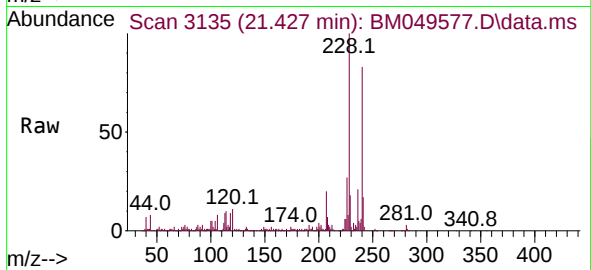
LOQ-SOIL-02-QT1-2025

Tgt Ion:228 Resp: 221610
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.0 33.0
 229 18.3 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025



#82

3,3'-Dichlorobenzidine

Concen: 3.767 ng

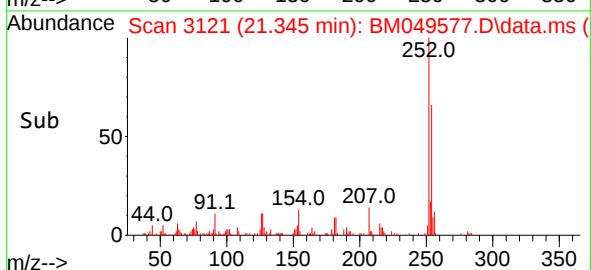
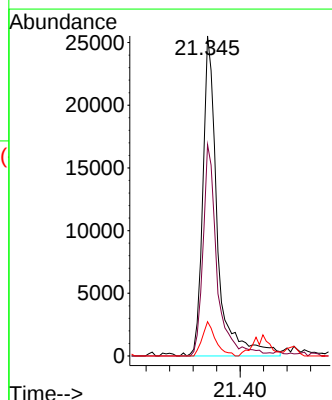
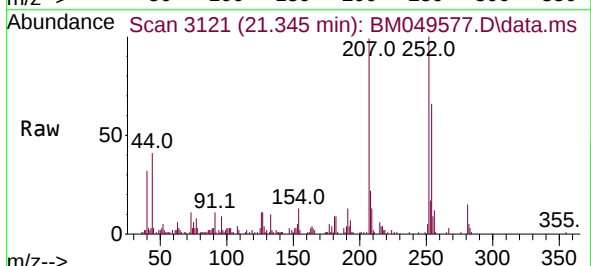
RT: 21.345 min Scan# 3121

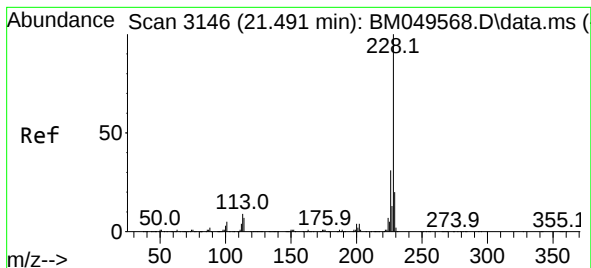
Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Tgt Ion:252 Resp: 43931
 Ion Ratio Lower Upper
 252 100
 254 66.0 52.1 78.1
 126 10.7 7.8 11.6





#83

Chrysene

Concen: 5.160 ng

RT: 21.486 min Scan# 3146

Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

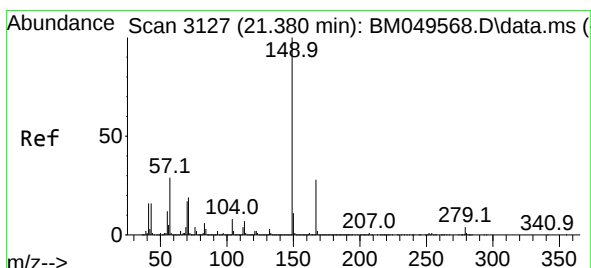
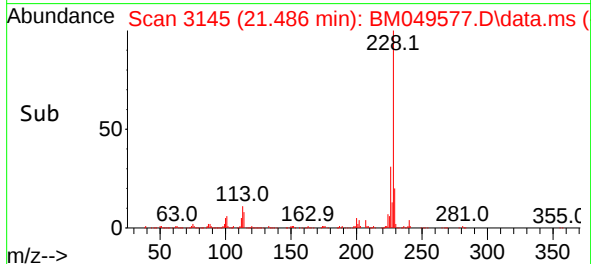
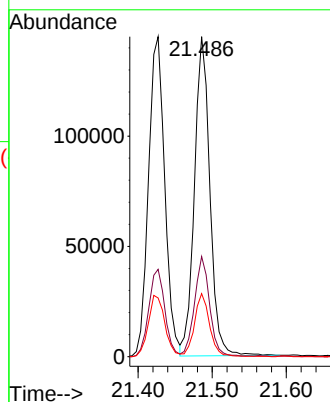
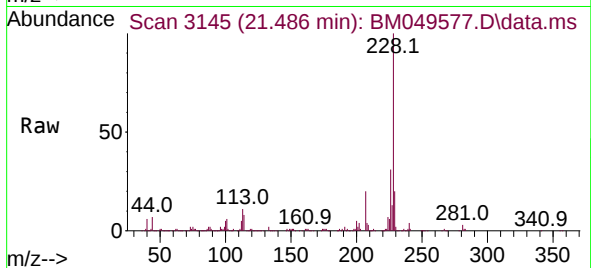
Tgt Ion:228 Resp: 20949

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.5	36.7
229	19.7	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.819 ng

RT: 21.380 min Scan# 3127

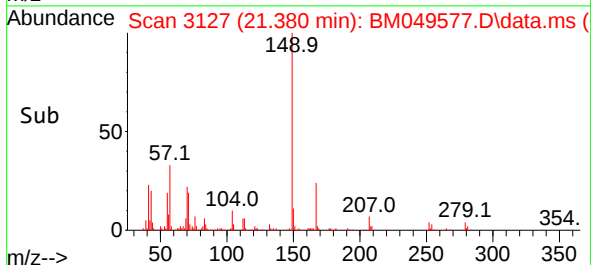
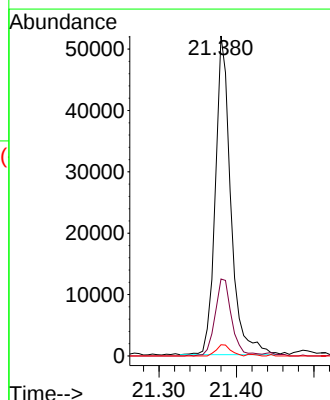
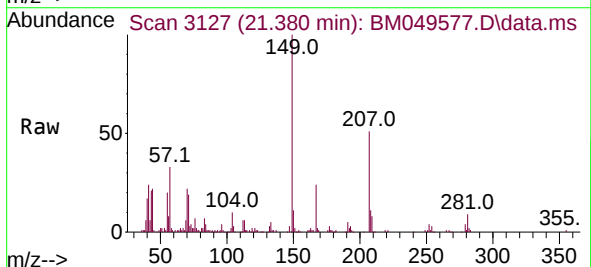
Delta R.T. -0.000 min

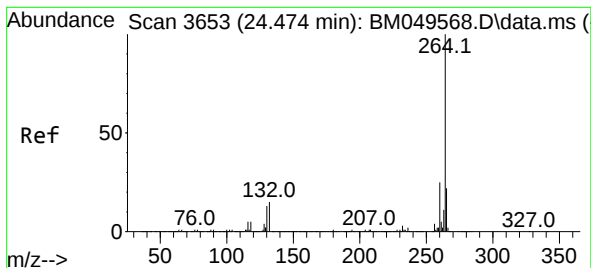
Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Tgt Ion:149 Resp: 71991

Ion	Ratio	Lower	Upper
149	100		
167	24.1	22.1	33.1
279	3.5	3.0	4.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.474 min Scan# 3653

Delta R.T. 0.000 min

Lab File: BM049577.D

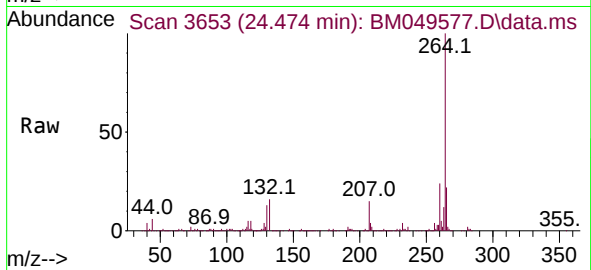
Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025



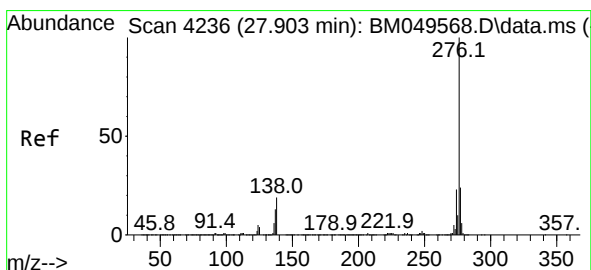
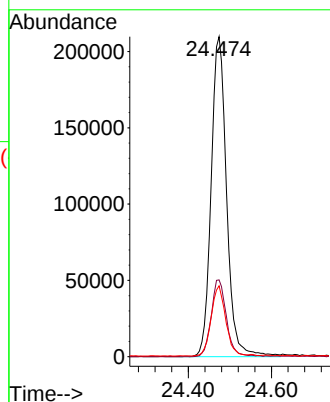
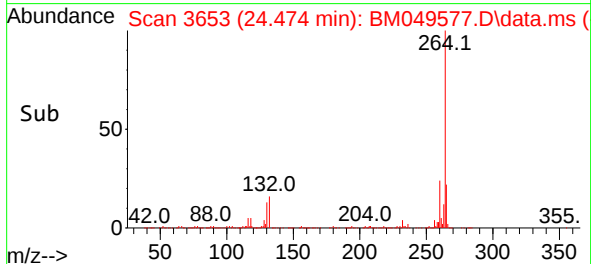
Tgt Ion: 264 Resp: 54175

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.8	29.6
265	22.2	17.5	26.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.726 ng

RT: 27.897 min Scan# 4235

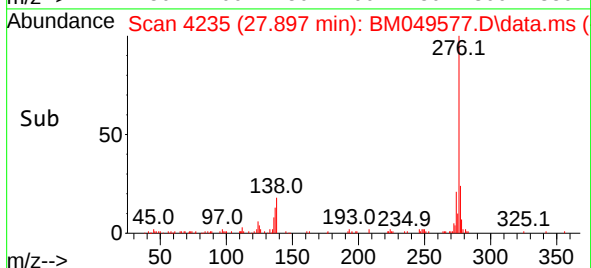
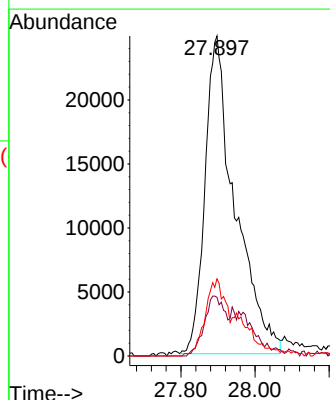
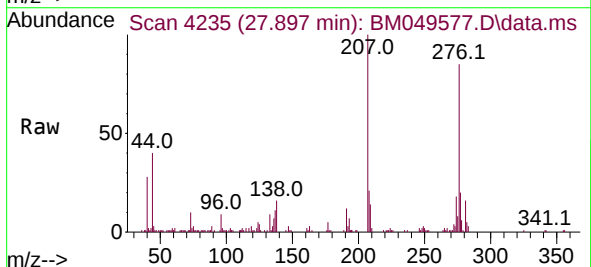
Delta R.T. -0.006 min

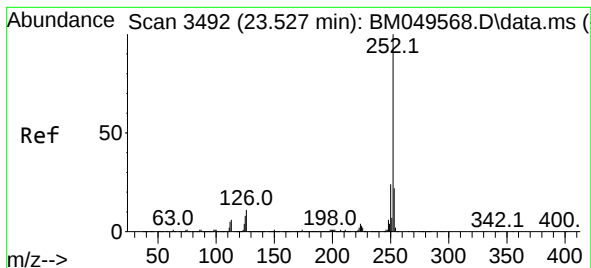
Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Tgt Ion: 276 Resp: 139815

Ion	Ratio	Lower	Upper
276	100		
138	12.8	13.1	19.7#
277	17.2	19.9	29.9#





#88

Benzo(b)fluoranthene

Concen: 4.653 ng

RT: 23.515 min Scan# 3492

Delta R.T. -0.012 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

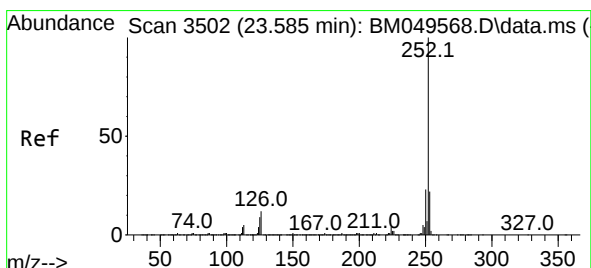
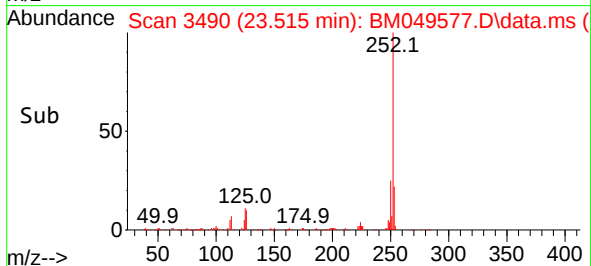
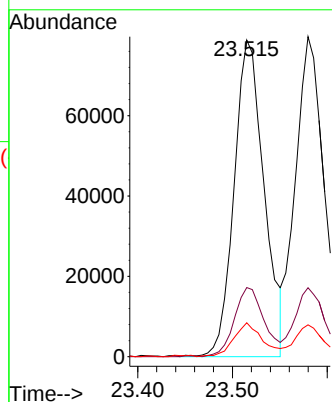
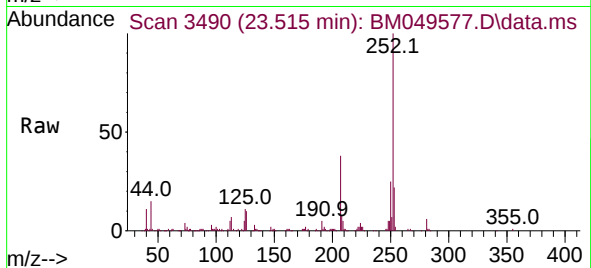
LOQ-SOIL-02-QT1-2025

Tgt Ion:252 Resp: 173429
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.4 26.2
 125 10.7 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025



#89

Benzo(k)fluoranthene

Concen: 4.682 ng

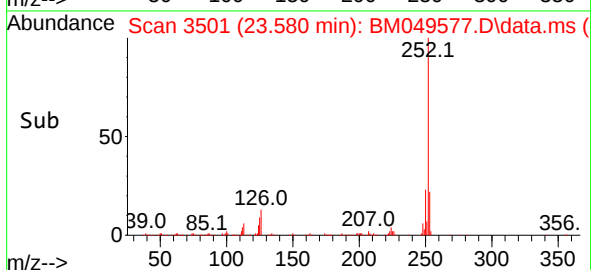
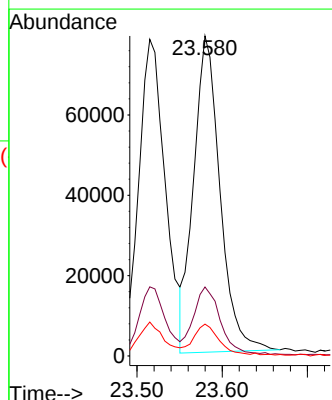
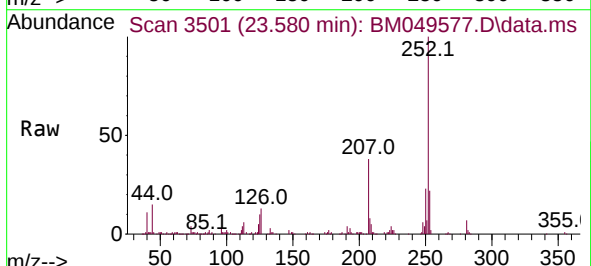
RT: 23.580 min Scan# 3501

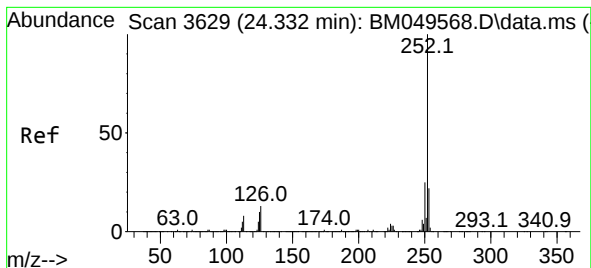
Delta R.T. -0.006 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Tgt Ion:252 Resp: 169471
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.5 26.3
 125 10.0 7.0 10.6





#90

Benzo(a)pyrene

Concen: 4.675 ng

RT: 24.333 min Scan# 3629

Delta R.T. 0.000 min

Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

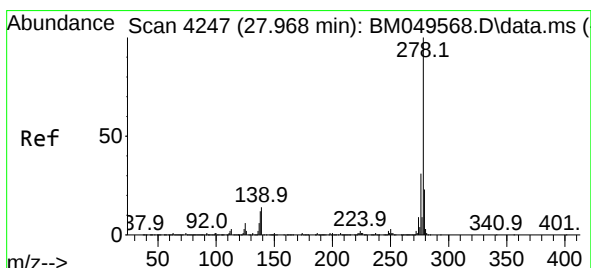
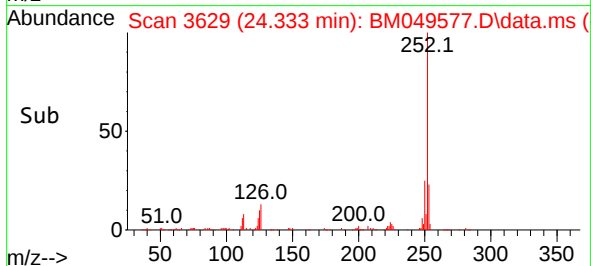
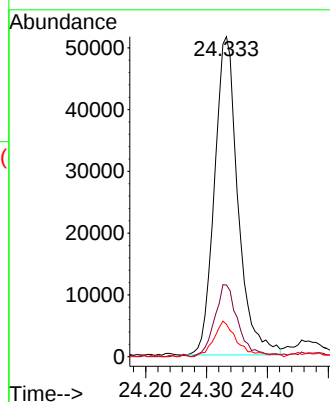
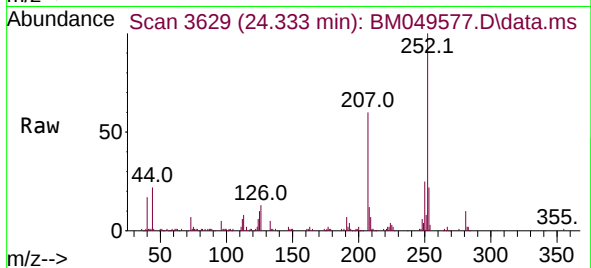
Tgt Ion:252 Resp: 138089

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	10.1	8.2	12.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#91

Dibenzo(a,h)anthracene

Concen: 4.562 ng

RT: 27.968 min Scan# 4247

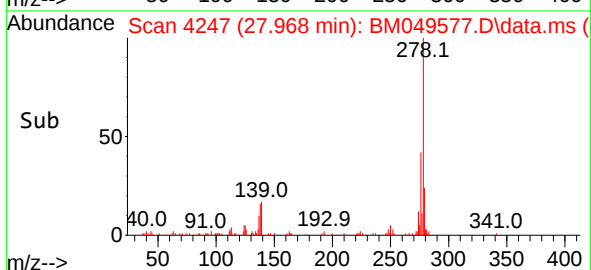
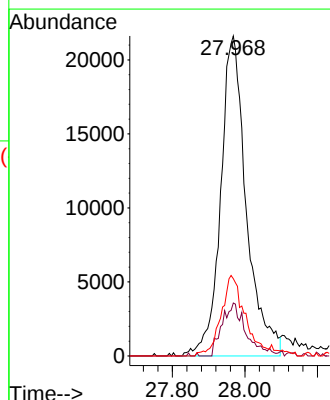
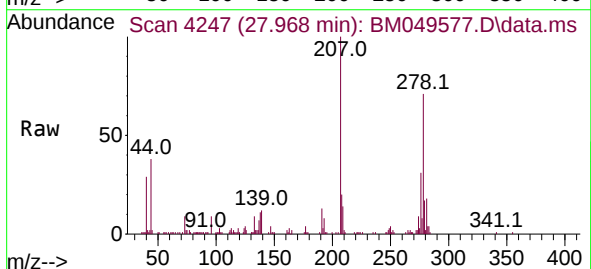
Delta R.T. 0.000 min

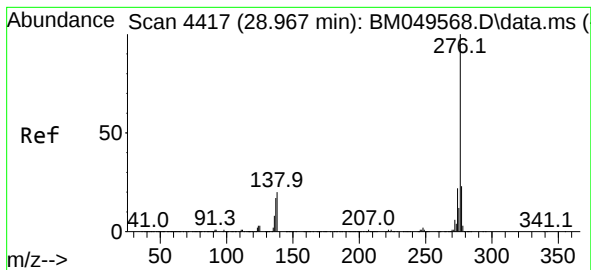
Lab File: BM049577.D

Acq: 06 Feb 2025 10:59

Tgt Ion:278 Resp: 106665

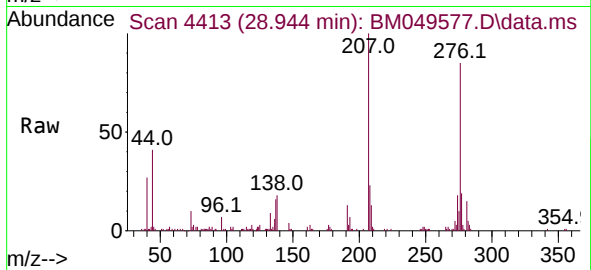
Ion	Ratio	Lower	Upper
278	100		
139	16.6	11.5	17.3
279	24.2	18.2	27.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.486 ng
 RT: 28.944 min Scan# 4413
 Delta R.T. -0.023 min
 Lab File: BM049577.D
 Acq: 06 Feb 2025 10:59

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



Tgt Ion:276 Resp: 11717
 Ion Ratio Lower Upper
 276 100
 277 21.9 18.7 28.1
 138 20.8 16.0 24.0

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

